

# **Chemical Week INDEX**

Volume 112  
January — June, 1973

**McGRAW-HILL, INC.**  
1221 Avenue of Americas — New York, New York 10020

## A

|   |        |    |    |
|---|--------|----|----|
| Abrasive — Chemical Week 300 — reports<br>Homer Starr (tables) Feb 21-34, Apr 25-36   | May    | 23 | 32 |
| Absorption — Gas absorption tower for removing SO <sub>2</sub> from flue gases  | N Apr  | 4  | 47 |
| <b>Acetic Acid</b>  |        |    |    |
| BP Chemical's plant at Hull, Yorkshire, started up  | R Mar  | 14 | 31 |
| Prices  | N Feb  | 21 | 25 |
| <b>Acetone</b>  |        |    |    |
| Japanese plant near Osaka   | N Jan  | 31 | 19 |
| US Chemicals expanding capacity   | N Jan  | 31 | 19 |
| Acetylene — Coal-based process will enable acetylene to make a comeback against ethylene  | N Mar  | 14 | 40 |
| <b>ACHEMA '73</b>   |        |    |    |
| Preview, Early line on equipment to look for at '73 show  | May    | 16 | 39 |
| Achema exhibition opens reflecting world problems   | June   | 27 | 14 |
| Acquisitions and mergers see <b>Industry Developments</b> , also listing of individual companies in <b>Company Index</b>  |        |    |    |
| Acrylamide — Sumitomo negotiating with Dow for process license  | R May  | 2  | 23 |
| Acrylates — Rohm and Haas acrylate monomer plant site will be determined by availability of feedstocks  | May    | 2  | 7  |
| Acrylic Acid — Sohio's propylene-to-acrylic process wins first U.S. assignment  | Jan    | 24 | 37 |
| Acrylic fiber see <b>Fibers</b>   |        |    |    |
| <b>Acrylic fiber</b>  |        |    |    |
| Dow Badische plans acrylic spinning plant in Williamsburg, Va.  | R May  | 9  | 17 |
| Resins for the dental supply industry   | R Mar  | 7  | 47 |
| Sohio's propylene-to-acrylic process wins first U.S. assignment   | Jan    | 24 | 37 |
| <b>Acrylonitrile</b>  |        |    |    |
| Asahi sold acrylonitrile unit using Sohio technology to Peking, now trying to sell an acrylic fiber unit  | N Mar  | 28 | 32 |
| China licenses Sohio's process to make acrylonitrile May 16-23 under individual companies in <b>Company Index</b>   | May    | 30 | 47 |
| Dow plans Tynl styrene acrylonitrile resin plant at Riverside, Mo.  | R May  | 9  | 10 |
| Italian plant at Gela, Sicily   | R Apr  | 11 | 20 |
| Acrylonitrile-butadiene-styrene (ABS) see <b>Plastics</b>   |        |    |    |
| <b>Additives</b>  |        |    |    |
| Fuel additive to prevent fires after jet plane crashes showing promise  | N June | 13 | 43 |
| Grow-LEMSIP additive system may combat lead poisoning in children   | N Jan  | 24 | 39 |
| Lead's antiknock market heads for new peak (chart)  | May    | 30 | 10 |
| Princeton Polymer Labs licenses additive for photodegrading polymers  | R Mar  | 14 | 40 |
| Rotary engine: market for new car chemicals?  | June   | 13 | 29 |
| Specialized resins demand lifts Europe's plastics additive sales (table)  | Apr    | 4  | 33 |
| <b>Adhesives</b>  |        |    |    |
| Hot-melt adhesives plant in Tokyo   | R Mar  | 21 | 50 |
| Mattel's new toy dispenses proprietary adhesive, hardening agent, eliminating needle and thread for garment assembly  | June   | 20 | 24 |
| 3M's spray-on adhesive, dubbed Pliness Pattern Holder   | May    | 16 | 32 |
| Plastic braces fastened to tooth surfaces with a resin adhesive   | Mar    | 7  | 47 |
| <b>Advertising</b>  |        |    |    |
| Aspirin: producers deny FTC charges that their ads for nonprescription analgesics were misleading   | Mar    | 21 | 23 |
| Cosmetics: FDA investigating advertising claims for cosmetics   | N Apr  | 18 | 18 |
| Deodorants and antiperspirants: FTC orders eight manufacturers to document ad claims  | June   | 6  | 26 |
| <b>Aeronautics</b>  |        |    |    |
| Airport security: new market for chemicals  | May    | 2  | 25 |
| Fuel additive to prevent fires after jet plane crashes showing promise  | N June | 13 | 43 |
| <b>Aerosols</b>   |        |    |    |
| CSMA survey   | May    | 23 | 42 |
| FDA proposes that aerosols carry a label warning against inhaling the contents  | R Mar  | 21 | 24 |
| FDA proposes that labels on containers of household aerosol products containing fluorocarbon propellants include warnings against inhaling vapors   | R May  | 16 | 25 |
| Affleck, James — Cyanamid new president: His selection was a surprise especially for him  | Jan    | 3  | 40 |
| <b>Agricultural Chemicals</b>   |        |    |    |
| Agroco Chemical plans for an agricultural chemicals complex just east of Tulsa's Port of Catoosa  | Feb    | 14 | 23 |
| Agroco Chemical plans plants at Donaldsonville, La., at Faustina, and at South Pierce, La.  | R June | 6  | 29 |
| Atlantic Richfield negotiating to sublease its Fort Madison, Ia., ag chems plant to CF Industries   |        |    |    |
| Sublease may be delayed at the request of the Justice Dept.   | June   | 6  | 25 |
| Bigger crop plantings and strong export demand will make it a banner year for plant nutrient sales, despite widespread rains and transportation tie-ups   | Apr    | 18 | 23 |
| Bumper year for ag chemicals  | Jan    | 31 | 12 |
| EPA and USDA unveil education program aimed at helping farmers switch to DDT substitutes  | Jan    | 17 | 19 |
| The phasing out of farm subsidies could spur ag chem sales  | Feb    | 28 | 16 |
| Russia's agricultural crisis  | Mar    | 21 | 47 |
| Agronomy — Nitrite ion: New method speeds screening of chemicals for herbicidal activity  | Mar    | 14 | 37 |
| <b>Air Pollution</b>  |        |    |    |
| Alfa-Laval's foam scrubber to clean stack gases   | N May  | 23 | 39 |
| ASTM's Project Threshold: Air pollution measurement tests have been validated for the first time  | Feb    | 28 | 43 |
| Armco Steel settles air pollution suit in Houston   | R June | 6  | 29 |
| Attachment has the effect of boosting stack height 20%  | N May  | 23 | 40 |
| Automotive  |        |    |    |
| American Lava concedes failures in tests of the ceramic substrates used in catalytic converters   | Mar    | 28 | 23 |
| Auto makers are expected to ask an extra year to meet '76 emission standards for nitrogen oxides  | N May  | 23 | 16 |
| Beil Labs tests on potential auto exhaust catalysts, lanthanum lead manganate compounds   | N Feb  | 7  | 39 |
| Car makers are learning to live with interim exhaust control standards  | June   | 6  | 55 |
| Car makers see U.S. Court of Appeals ruling ordering EPA to hold new hearings on request for a one-year postponement of the '75 emission standards, as a beginning of the Clean Air Act '70 amendments to the Clean Air Act | Feb    | 21 | 20 |
| Car makers, TEL producers say use of catalytic converters will widen energy gap, cost consumers \$6 billion by '85  | May    | 23 | 27 |
| Car makers win year's reprieve  | Apr    | 18 | 12 |
| Converter setbacks: Auto makers could meet '75 emission standards, U.S. experts say   | Feb    | 28 | 17 |
| Detroit: Can't make it by '75, U.S. car makers raise doubts about the effectiveness of catalytic converters   | Mar    | 21 | 21 |
| EPA hearing on emission control brings up new controversy: Did Engelhard lose out with Chrysler because it was too aggressive in promoting catalysts?   | Apr    | 11 | 35 |
| EPA hearings on postponement of the '75 auto emission standards: confusion on standards   | Mar    | 28 | 23 |
| EPA's proposes drastic transportation controls for 17 urban areas   | June   | 27 | 11 |
| GM says it has catalytic converter that will last life of car   | June   | 27 | 11 |
| Houston Chemical will test systems approach to auto emissions control that will meet '76 standards while using leaded fuels   | Mar    | 14 | 39 |
| Lead emitted from car engines a health hazard believes two demands  | Mar    | 14 | 40 |
| Lead-in-gasoline rules will require use of catalytic converters for auto exhaust systems and will cut sales of tetraethyl lead and other lead alkyls  | Jan    | 10 | 16 |
| Substrate problems with catalytic converters reported   | Jan    | 24 | 14 |
| Champion's Pasadena, Tex., plant: \$100,000 fine levied   | Mar    | 21 | 18 |
| Chemical copper: New Anaconda process solves pollution problems   | Jan    | 24 | 37 |
| Delaware suit filed to block the compromise that gave Stauffer more time to meet pollution control regulations at its Delaware City sulfur recovery plant   | R Mar  | 28 | 23 |
| Desulfurization   |        |    |    |
| Emission standards for mercury, asbestos and beryllium: EPA rules arbitrary?  | Apr    | 11 | 18 |
| EPA plan calling for Calif. gasoline rationing raises questions about implementing the Clean Air Act of '70   | Jan    | 24 | 11 |
| EPA plans to review its control criteria every three years  | Mar    | 21 | 27 |
| EPA proposes emission standards for new or modified plants in seven major industries  | June   | 13 | 17 |
| EPA proposing change in sulfur dioxide emission rules   | N June | 27 | 40 |
| EPA to re-examine sulfur dioxide standards as study shows plant life affected by short-term rather than long-term exposures to pollutants   | May    | 16 | 23 |
| EPA's 32-city survey shows the air is cleaner in mid-city areas as a result of pollution abatement efforts  | May    | 16 | 48 |
| Getty, Delmarva and Delaware compromise on low-sulfur fuel use  | Jan    | 10 | 16 |
| Interlake Steel's Chicago plant to install system for controlling coke-oven emissions   | Jan    | 24 | 38 |
| Italy: Industrial pollution in Venice area draws strict safety measures   | Jan    | 17 | 21 |
| JAERI-Ebara joint research project to remove SO <sub>2</sub> and nitrogen oxides from heavy-fue gas with an electron beam   | Apr    | 25 | 49 |
| Lead additives see <b>Gasoline</b>  |        |    |    |
| Mississippi Chemical's Yazoo City, Miss., fertilizer complex will get two new major air pollution control systems   | N Jan  | 17 | 36 |
| Nitrogen oxides emission limits easing proposed   | Apr    | 25 | 20 |
| Norwegian process mixes stack gases with sea water to produce a sulfate that can be disposed of in the sea  | Apr    | 18 | 35 |
| Russia's crackdown on pollution may generate U.S. equipment sales   | Jan    | 17 | 38 |
| Stepan's Maywood, N.J., plant continues to violate air pollution regulations charges DEP  | May    | 16 | 20 |
| Sulfur emission standards may be eased to encourage refinery construction   | N June | 6  | 56 |
| Sulfur oxide emissions tax proposal revived   | Feb    | 28 | 17 |
| Supreme Court agrees to review a lower-court decision that could severely hamper new industry from moving into states not troubled by air pollution   | Jan    | 24 | 15 |
| Supreme Court decision further clouds state air-quality rules   | June   | 20 | 16 |
| U.S. steel industry could do a lot better in its efforts to control pollution says Council on Economic Priorities study of 47 plants  | May    | 23 | 18 |
| U.S. Steel will spend \$75-80 million to control pollution at its Gary, Ind., works   | Mar    | 7  | 43 |
| What price carbon? — letter   | Jan    | 10 | 5  |
| <b>Alcohol</b>  |        |    |    |
| Alfol: Conoco's Lake Charles, La., plant reaches capacity   | R Mar  | 21 | 24 |
| Japan: Mitsubishi plans higher-alcohol plant  | R May  | 2  | 23 |
| Japanese linear alcohol unit using UC technology planned  | R Mar  | 28 | 34 |
| Oxo: UC's expansion program   | N Apr  | 18 | 9  |
| Oxo alcohols are in critically short supply   | R Mar  | 7  | 37 |
| Oxo gets tight: plasticized PVC markets up demand   | Mar    | 21 | 29 |
| Prices  | N June | 6  | 36 |
| <b>Algeria</b>  |        |    |    |
| Ammonia plant at Arzew and gas liquefaction units at Skikda closed due to technical problems  | N May  | 2  | 28 |
| El Paso-Algeria LNG deal  |        |    |    |
| Project won't help ease the U.S. energy crunch until early '76  | N Apr  | 11 | 13 |
| Petrochemical complex   | R Mar  | 7  | 20 |
| Sonatrach NGL plant at Arzew  | R Feb  | 21 | 21 |
| Sonatrach NGL plant near Algiers  | R Feb  | 14 | 34 |
| <b>Alumina</b>  |        |    |    |
| Alcoa develops low-cost route-to high-temperature alumina fiber   | Feb    | 14 | 65 |
| Alcoa's electrolytic process will cut pollution, slash power requirements   | Jan    | 17 | 35 |
| Process will get its commercial test in a plant to be built at Palestine, Tex.  | N June | 6  | 55 |
| Georgia makes another try for an alumina-from-kaolin pilot plant  | Mar    | 7  | 15 |
| Joint-venture agreement   | R Jan  | 31 | 15 |
| Project to extract alumina from alunite will get a pilot test   | N June | 13 | 43 |
| <b>Aluminum</b>   |        |    |    |
| Alcoa reopens potlines N Jan 10-23  | N May  | 2  | 27 |
| Alcoa's electrolytic process will cut pollution, slash power requirements   | Jan    | 17 | 35 |
| Process will get its commercial test in a plant to be built at Palestine, Tex.  | N June | 6  | 55 |
| Anaconda's plant in Sebree, Ky., to operate under leasing arrangement   | N May  | 2  | 32 |
| Auto markets' gain seen   | N Jan  | 17 | 23 |
| Companies negotiating new contracts that soften the effect of Bonneville's scheduled boost in wholesale electric power rates  | Jan    | 10 | 17 |
| Conductor products prices   | Apr    | 18 | 25 |
| Dumping: Treasury accuses Canadian producers of dumping ingots  | Feb    | 28 | 18 |
| GSA extends the time allotted major aluminum companies for purchase of aluminum from government stockpiles  | Jan    | 3  | 13 |
| Georgia makes another try for an alumina-from-kaolin pilot plant  | Mar    | 7  | 15 |
| Japanese makers' delegation to survey light-grade bauxite reserves in the Amazon Basin  | N Apr  | 4  | 41 |
| Montedison to sell four plants to EFIM  | N June | 13 | 39 |
| Northwest industry suffering from major curtailment of power by BPA   | Apr    | 25 | 21 |
| Okawa's smelter near Kin, postponed indefinitely  | R May  | 23 | 46 |
| Outlook bright  | Jan    | 3  | 13 |
| Prices  | N Feb  | 14 | 53 |
| Product prices are firming  | N Jan  | 24 | 19 |
| Record \$130-billion construction year gives CPI healthy lift (charts)  | Apr    | 4  | 21 |
| Reynolds bows out of bauxite mining in Ghana; Kaiser looking for a new partner  | Jan    | 3  | 13 |
| Seven primary aluminum producers will buy government surplus  | R June | 13 | 21 |
| Shortage shaping up   | N May  | 2  | 18 |
| Spain: multicompany international venture formed to build alumina and aluminum complex  | May    | 9  | 28 |
| U.S. production is growing at 7-8%/year   | N Mar  | 21 | 18 |
| Venezuela: three Japanese companies are conducting feasibility study on construction of a smelter N Mar 14-12   | R Mar  | 21 | 50 |

(N Newsletter, R Roundup.)



|  |     |      |            |
|--|-----|------|------------|
| Bacteriostats — Soapers take issue with FDA panel report on bacteriostat safety (table) ..   | Feb | 21   | 20         |
| <b>Bags</b>  |     |      |            |
| Degradable PE bags from Finland ..   | N   | Jan  | 24 39      |
| Plastic grocery bags ..  |     | May  | 16 20      |
| <b>Barges</b>  |     |      |            |
| Northrop Hueneme will build glass-fiber barges for Pacific Far East Line ..  | R   | Mar  | 7 16       |
| Trouble ahead for chemical transport — report, John M. Winton (charts & table) ..  |     | Jan  | 31 25      |
| Battelle Memorial Institute — Magnesium Research Center's program to develop a fluxless melting method ..  |     | Jan  | 17 24      |
| <b>Batteries</b>   |     |      |            |
| Chemical Week 300 — reports, Homer Starr (tables) Feb 21-32, Apr 23-38 ..  |     | May  | 23 32      |
| International Auto Show spotlights alternatives to piston engine ..  |     | Apr  | 18 13      |
| Reynolds bows out of bauxite mining in Ghana; Kaiser looking for a new partner ..  |     | Jan  | 3 13       |
| BCNU, 1,3-bis(2-chloroethyl)-1-nitrosourea — Anticancer drug to be sold by Bristol Labs ..   |     | Jan  | 10 41      |
| Beer — Liquor ingredients labeling rule could mean switch in additives ..  |     | May  | 16 31      |
| Behind the News — Winning team's modest bow ..   |     | Feb  | 21 5       |
| <b>Belgium</b>   |     |      |            |
| Automobile safety belt components plant ..   | R   | Jan  | 17 44      |
| Chemical makers say price controls are hurting business ..   |     | N    | Apr 25 27  |
| Dow plans HDPE plant and a polystyrene unit at Tessenderloo ..   |     | N    | June 27 37 |
| Marlex-Kuhlmann-Wyandotte expands propylene oxide and polyether plants ..  |     | May  | 2 23       |
| Methionine plant at Antwerp ..   |     | Jan  | 31 22      |
| Methylene diphenylene diisocyanate plant at BASF's Antwerp complex ..  |     | Jan  | 3 29       |
| Rotterdam-Antwerp area will have access to West Germany's ARG pipeline grid ..   |     | Jan  | 17 44      |
| UC will build Celosize hydroxyethyl cellulose unit at Antwerp ..   |     | R    | Apr 4 29   |
| <b>Benzene</b>   |     |      |            |
| Feedstocks: NPRA meeting — Getting a better handle on 80 feedstock costs ..  |     | Apr  | 11 26      |
| Futures for chemicals? — ICI's Tholen revives his proposal ..  |     | Apr  | 18 13      |
| Plans for a benzene commodity market have been canceled ..   |     | N    | Jan 24 19  |
| Prices: markets tight, say Gulf Coast users ..   |     | N    | May 2 27   |
| Shortage of benzene, the raw material for maleic, causes tight supply ..   |     | Apr  | 11 23      |
| Benzene Phosphorus Chlorides — Stauffer ups capacity at Mt. Pleasant, Tenn. plant ..   |     | R    | Apr 18 15  |
| Benzonoid imports see Tariffs ..   |     |      |            |
| <b>Beryllium</b>   |     |      |            |
| Brush Wellman's Hayward, Calif. plant closing ..   |     | N    | June 6 29  |
| Emission standards: EPA rules arbitrary? ..  |     | Apr  | 11 18      |
| Bisphenol — Mexican plant at Cuernavaca ..   |     | R    | Jan 24 32  |
| Blasting — El Paso Natural Gas studying the feasibility of using an underground nuclear explosion ..   |     | R    | Feb 14 27  |
| <b>Bleach</b>  |     |      |            |
| Household bleach market takes on brighter look (chart) ..  |     | Apr  | 25 51      |
| Liquid hydrogen peroxide, Polytex, will be marketed as a household laundry bleach ..   |     | N    | Mar 14 28  |
| <b>Bolivia</b>   |     |      |            |
| GSA stockpile sales of tin could create a financial crisis for Bolivia ..  |     | N    | Mar 7 37   |
| Pesticides plant in Oruro planned ..   |     | N    | Mar 30 47  |
| Bottles — Plastic bottles: National Packaging Exposition ..  |     | May  | 16 20      |
| Brake Fluids — Prices ..   |     | N    | May 14 28  |
| <b>Brazil</b>  |     |      |            |
| Airco's air-separation plant near Sao Paulo ..   |     | R    | Apr 25 21  |
| Air-separation plant for Cia. Siderurgica da Amazonia ..   |     | R    | Jan 17 44  |
| Ammonia plant and urea unit contract to Kellogg ..   |     | May  | 23 46      |
| Dow's Latin-American investment plans ..   |     | N    | Jan 17 25  |
| Dow will boost its investment ..   |     | Mar  | 7 33       |
| Du Pont target ..  |     | Apr  | 4 43       |
| Du Pont will have share in Isocianatos do Brasil, which will build a toluene diisocyanates plant ..  |     | N    | June 6 33  |
| Japanese aluminum makers delegation to survey light-grade bauxite reserves in the Amazon basin ..  |     | N    | Apr 4 41   |
| Petrochemicals: Brazil achieves self-sufficiency in aromatics and some plastics, but locally made products are more expensive than imports (table) ..    |     | Mar  | 14 29      |
| Brookhurst, John — American Hoechst's president: His success is no fairy tale ..   |     | Mar  | 7 52       |
| Bulgaria — Technip's Italian affiliate will build VCM plant at Burgas ..   |     | R    | May 2 23   |
| Burton, George — Filsons chairman: Vintage auto buff steers company in new directions ..   |     | N    | June 6 76  |
| <b>Butadiene</b>   |     |      |            |
| ANIC's plant at Ravenna uses Phillips Petroleum technology ..  |     | R    | Jan 10 46  |
| Feedstocks: NPRA meeting — Getting a better handle on 80 feedstock costs ..  |     | N    | Apr 11 26  |
| Prices ..  |     | May  | 2 28       |
| Producers can't keep up with rapidly growing demand ..   |     | June | 20 21      |
| Butane — Amoco will commercialize its butane oxidation route to maleic anhydride at Joliet, Ill., complex ..   |     | N    | May 9 33   |
| Butylene — Vistron piloting a maleic process using n-butylene ..   |     | N    | June 27 40 |
| Butyraldehydes — UC's plant at Ponce, Puerto Rico, petrochemicals complex ..   |     | N    | Apr 18 9   |
| <b>Calcium Chloride</b>  |     |      |            |
| Allied's anhydrous flake calcium chloride plant near Syracuse, N.Y. ..   |     | Jan  | 31 15      |
| Prices ..  |     | N    | Jan 14 28  |
| Calcium Fluoride — Thermoluminescent devices: new measure for radiation exposure ..  |     | June | 27 35      |
| <b>Calcium Hypochlorite</b>  |     |      |            |
| Joint-venture plant at Bayport, Tex. ..  |     | R    | May 2 15   |
| South African plant ..   |     | R    | Jan 24 32  |
| Calcium Sulfate — Thermoluminescent devices: new measure for radiation exposure ..   |     | June | 27 35      |
| <b>Canada</b>  |     |      |            |
| Alberta: utility power plants will burn coal instead of gas ..   |     | May  | 2 31       |
| Chlor-alkali plant at Becancour, Que. ..   |     | Jan  | 31 22      |
| Coal: feasibility study on piping coal-in-oil ..   |     | N    | May 2 31   |
| Columbia Cellulose up for sale again; tentative agreement to sell some operations to Weyerhaeuser falls through ..                                       |     | Feb  | 21 18      |
| Celanese still formulating specific proposal regarding disposition of C.C. ..  |     | Mar  | 28 22      |
| Celanese will sell CoCel to B.C.C. provincial government (70%) and the subsidiary's minority holders (21%) ..  |     | Apr  | 11 19      |
| Dow negotiating to tie in with Dome Petroleum's proposed ethane pipeline ..  |     | Mar  | 14 12      |
| Dow and Dome may build complex in Alberta ..   |     | N    | Apr 25 13  |
| Behind Dow's Dome deal ..  |     | May  | 2 14       |
| Foreign forecast: World chemicals head for brighter future — report, Albert H. Klein (charts) ..   |     | Jan  | 24 25      |
| Heavy water plant will be fully operational later this year ..   |     | N    | Apr 18 39  |
| Michelin's radial tires made in Canada; DuPont imposes countervailing duties ..  |     | Jan  | 17 17      |
| Oil refinery project at Come-By-Chance, Newfoundland, delayed ..   |     | May  | 2 7        |
| Polyester resins plant at Cornwall, Ont. ..  |     | Mar  | 28 34      |
| SOAP project: Dow drops out; Du Pont and Polymer must now decide whether they want to proceed ..   |     | Mar  | 14 12      |
| SOAP project isn't dead ..   |     | May  | 30 9       |
| Saskatchewan's potash prorationing plan: Central Canada Potash seeks court test ..   |     | Jan  | 31 19      |
| CCP loses another round ..   |     | N    | Feb 14 53  |
| May change its potash sales regulations ..   |     | N    | June 13 23 |
| Sulfur dumping: Treasury says Canadian sulfur is being sold in the U.S. at less than fair value ..   |     | May  | 2 18       |
| Sulfur producers team up to seek new end uses ..   |     | June | 27 33      |
| Canary Islands — Phosphoric acid project proposed ..   |     | May  | 9 27       |
| <b>Cancer</b>  |     |      |            |
| Bristol Labs will make and sell 3 anticancer drugs developed by NCI ..   |     | N    | Jan 10 41  |
| Carcinogenic chemicals ..  |     |      |            |
| OCAW, Nader group press for emergency measures ..  |     | Feb  | 7 41       |
| OSHA readying temporary standards for measures ..  |     | Apr  | 25 43      |
| OSHA issues work practice standards for 14 carcinogens ..  |     | May  | 9 9        |
| Alpha-naphthylamine and derivatives production may be discontinued ..  |     | May  | 23 31      |
| Du Pont will continue to make alpha-naphthylamine and derivatives ..   |     | N    | May 30 37  |
| HEW and NCI launching a major research project at Fort Detrick, Md., to determine what common chemical substances may cause cancer ..                    |     | June | 13 20      |
| Gelb & Sons' employees shown a film on cancer during working hours ..  |     | June | 27 14      |
| Candles — Do-it-yourselfers help mold candlemaking into year-round business ..   |     | Jan  | 24 33      |
| <b>Caproctam</b>   |     |      |            |
| Dow Badische plans plant ..  |     | R    | Apr 25 21  |
| Korean government conducting a feasibility study on expansion of caproctam plant ..  |     | Jan  | 10 46      |
| Carbon — UC's European carbon fiber plant possible ..  |     | N    | Jan 3 7    |
| <b>Carbon, Activated</b>   |     |      |            |
| Calgon's Fountain Valley, Calif., plant is the largest granular carbon system for waste-water reclamation on record ..                                   |     | N    | Feb 21 41  |
| Japanese-Malaysian joint venture ..  |     | R    | Jan 17 44  |
| Westvaco will build plant at Covington, Va.; expansion of existing granular carbon installations ..  |     | R    | Mar 28 23  |
| What price carbon? — letter ..   |     | Jan  | 10 5       |
| <b>Carbon Black</b>  |     |      |            |
| Calatrava expanding capacity at Santander ..   |     | R    | May 9 28   |
| Phillips will recommend that shareholders accept joint bid by subsidiaries Cites Service and Phillips Petroleum ..                                       |     | May  | 16 22      |
| <b>Carbon Dioxide</b>  |     |      |            |
| Dow develops process to make methyl chloride and carbon dioxide from sodium chloride brine contaminated with acetic acid ..                              |     | N    | Feb 28 43  |
| ICI contracts to supply liquid carbon dioxide to 8 nuclear power stations in the U.K. ..   |     | Jan  | 10 23      |
| Liquid carbon dioxide plant at Freetown, Mass., planned ..   |     | R    | May 9 17   |
| Carbon Monoxide — Bethlehem Steel's process recovers carbon monoxide from fuel gas ..  |     | N    | Feb 21 41  |
| Carboxymethylcellulose — Hercules's units at Harbor Beach, Mich., plant ..   |     | Feb  | 28 19      |
| Carnibean — French refinery project possible ..  |     | N    | Apr 18 31  |
| <b>Carpets</b>   |     |      |            |
| American Enka will expand its nylon filament carpet yarn capacity ..   |     | R    | Jan 3 16   |
| Fiber production (chart) ..  |     | Feb  | 28 14      |
| Casting — Magnesium: new die-casting methods open new markets in structural applications ..  |     | Jan  | 17 24      |
| <b>Catalysts</b>   |     |      |            |
| Bell Labs tests on potential auto exhaust catalysts, lanthanum lead manganate compounds ..   |     | N    | Feb 7 39   |
| Car makers, TEL producers say use of catalytic converters will widen energy gap, cost consumers \$6 billion by '85 ..                                    |     | May  | 23 27      |
| Car makers win year's reprieve ..  |     | Apr  | 18 12      |
| Detroit: Can't make it by '75; U.S. car makers raised doubts about the effectiveness of catalytic converters ..  |     | Mar  | 21 21      |
| Engelhard's new platinum-rhenium catalyst, E-601 ..  |     | N    | Jan 3 32   |
| EPA hearings on emission control bring up new controversy: Did Engelhard lose out with Chrysler because it was too aggressive in promoting catalysts? .. |     | Apr  | 11 35      |
| Ford will make ceramic substrates for catalytic emission-control devices ..  |     | N    | Feb 7 39   |
| GM says it has catalytic converter that will last life of car ..   |     | June | 27 11      |
| Japan Catalytic Chemical will supply the know-how and the catalyst for Rohm & Haas' acrylate monomer plant ..  |     | May  | 9 33       |
| Laporte-Davison will offer SNG catalysts ..  |     | Feb  | 21 41      |
| Lead-in-gasoline rules will require use of catalytic converters for auto exhaust systems and will cut sales of tetraethyl lead and other lead alkyls ..  |     | Jan  | 10 16      |
| Monsanto researcher Unland reports infrared spectra studies detect isocyanates on the surface of noble metal catalysts ..                                |     | N    | Feb 14 68  |
| Nalco drops refining catalyst, affiliate boosts output of others ..  |     | Jan  | 10 17      |
| Rare earths may prove as good as noble metals in catalytic mufflers ..   |     | Apr  | 25 43      |
| Substrate problems with catalytic converters reported ..   |     | Jan  | 24 14      |
| <b>Caustic Soda</b>  |     |      |            |
| CIL chlor-alkali plant at Becancour, Que. ..   |     | R    | Jan 31 22  |
| Chlor-alkali prices ..   |     | N    | June 13 23 |
| Diamond signs first "integrated service" contract in chemical distribution pact ..   |     | Mar  | 21 31      |
| Dow will boost its investment in Brazil ..   |     | N    | Mar 7 33   |
| India faces shortage ..  |     | N    | Jan 24 19  |
| India's Standard Mills boosts capacity ..  |     | N    | June 6 35  |
| Indian plant at Nagda onstream ..  |     | R    | Jan 10 46  |
| PPG's plant in Puerto Rico picketed following the plant's second chlorine leak ..  |     | Jan  | 10 16      |
| <b>Cellulose</b>   |     |      |            |
| Cellulosic plastics makers face capacity shortages ..  |     | N    | May 16 33  |
| ICI researching cellulosic substitute for cigarette tobacco ..   |     | N    | Feb 7-39   |
| UC will build Celosize hydroxyethyl cellulose unit at Antwerp ..   |     | R    | Apr 4 29   |
| Cellulose Acetate — Toys give cellulosic plastics a youthful look ..   |     | May  | 9 21       |
| Cement — Chemical Week 300 — reports, Homer Starr (tables) Feb 21-33, Apr 25-38 ..   |     | May  | 23 32      |
| <b>Centrifuges</b>   |     |      |            |
| GE studying gas centrifuge separation of uranium isotopes ..   |     | N    | Jan 31 39  |
| Japanese gas centrifuge to separate uranium isotopes ..  |     | N    | Jan 24 39  |
| <b>Ceramics</b>  |     |      |            |
| Alcoa develops low-cost route to high-temperature alumina fiber ..   |     | Feb  | 14 65      |
| Ford will make ceramic substrates for catalytic emission-control devices ..  |     | N    | Feb 7 39   |
| <b>Chemical Marketing Research Assn.</b>   |     |      |            |
| Annual "Review and Forecast": Outlook great — but for how long? ..   |     | May  | 16 21      |



|   |      |     |    |   |      |    |    |  |      |    |    |
|---|------|-----|----|---|------|----|----|--|------|----|----|
| Energy crisis and its impact on the global chemical industry dominates at meeting   | Feb  | 14  | 55 | Meeting (49th annual) in Houston: Chlorine expansions will boost total U.S. capacity about 22% (chart)  | Feb  | 14 | 23 | Intumescent paints are hot items in flame-retardant coatings   | May  | 23 | 41 |
| Chemical Specialties Manufacturers Assn. — Meeting (midyear)  | May  | 23  | 42 | CCNU, 1-(2-chloroethyl)-3-cyclohexyl-1-nitro-urea — Anticancer drug to be sold by Bristol Labs.   | Jan  | 10 | 41 | Japan launches global plant buildup — report (map & tables)  | June | 13 | 32 |
| <b>"CHEMICAL WEEK"</b>  |      |     |    | Chloroformate — PPG plans plant at Barber-ton, O.   | Apr  | 18 | 15 | LN3: Staten Island, N.Y., tank disaster will aggravate CPI's site selection problems   | Feb  | 21 | 19 |
| CW Newswire: Now tune in a daily chemical newscast — Publisher's page   | Mar  | 14  | 4  | Chromatography — New chromatograph bypasses charts, types out its own reports   | May  | 9  | 36 | Memorandum on LNG?   | Feb  | 28 | 18 |
| Jesse H. Neal Awards: Winning team's modest bow — Behind the News   | Feb  | 21  | 5  | Chrome — Army's Rock Island, Ill., arsenal will treat metal plating wastes in what is claimed to be the largest reverse-osmosis unit ever built for industrial use        | May  | 2  | 35 | Record \$130-billion construction year gives CPI healthy lift (charts)   | Apr  | 4  | 21 |
| <b>CHEMICAL WEEK Reports</b>  |      |     |    | Cigarettes — ICI researching cellulosic substitute for cigarette tobacco N Feb 7-39   | May  | 30 | 49 | Spanish government encouraging the construction of chemical plants big enough to compete in Europe   | Apr  | 18 | 27 |
| Chemical Week 300: Homer Starr (tables)   | May  | 23  | 32 | Clay — Georgia makes another try for an alumina-from-kaolin pilot plant   | Mar  | 7  | 15 | Steel shortage slows chemical construction (table)   | June | 20 | 27 |
| Feb 21-29, Apr 25-32  |      |     |    | <b>Cleaners</b>   |      |    |    | The U.S. engineering-construction industry: Is it ready for a building boom? — report  | Mar  | 21 | 33 |
| Forecast '73: Recovery gains speed  | Jan  | 10  | 25 | Cooling system cleaners, CSMA survey  | May  | 23 | 42 | Vinyl bubble will protect construction site from bad weather   | Feb  | 14 | 68 |
| Donald P. Burke (charts)  | Jan  | 24  | 25 | Wood-panel polishes: Sales may hit \$20 million this year   | Apr  | 18 | 20 | <b>Containers</b>  |      |    |    |
| Foreign forecast: World chemicals head for brighter future. Albert H. Kisin (charts)  | Jan  | 24  | 25 | <b>Coal</b>   |      |    |    | California one of several states considering restrictions on container materials   | Mar  | 14 | 17 |
| Japan launches global plant buildup (map & tables)  | June | 13  | 32 | Canada: feasibility study on piping coal-in-oil   | May  | 2  | 31 | Coffee producer is running an in-house evaluation on a plastic container   | Apr  | 25 | 30 |
| More of management moves into environment picture. Ivin Schwartz (chart)  | Feb  | 14  | 57 | Canada: utility power plants in Alberta will burn coal instead of gas   | May  | 2  | 31 | FDA proposes that labels on containers of household aerosol products containing fluorocarbon propellants include warnings against inhaling vapors        | May  | 16 | 25 |
| Research gets the word: if it doesn't fit — forget it. Donald P. Burke (chart)  | Feb  | 28  | 32 | El Paso plans plant for converting coal into pipeline-quality synthetic gas on the Navajo reservation near Farmington, N.M.   | June | 27 | 15 | Glass container prices   | Apr  | 25 | 30 |
| — letters   | Mar  | 21  | 5  | Gasification see <b>Gasification</b>  |      |    |    | Plastic container plant at Nashua, N.H.  | May  | 16 | 25 |
| Think small to make it big in specialty chemicals. Charles H. Kline (chart & tables)  | Jan  | 17  | 27 | GAV's mining tunnel directly under the Huels complex causes damage, but Huels cannot sue either GAV or BASF   | Feb  | 21 | 38 | Powder coatings for use on glass containers  | Apr  | 11 | 33 |
| — letters   | Jan  | 31  | 3  | Natural Gas Pipeline acquires rights to coal that is "ideally suited for gasification"  | Feb  | 7  | 39 | <b>Contractors</b>   |      |    |    |
| Trouble ahead for chemical transport. John M. Winton (charts & table)   | Jan  | 31  | 25 | President Nixon's energy message to emphasize coal  | Mar  | 7  | 43 | Firm offers: potential logjam in the offing  | May  | 30 | 43 |
| The U.S. engineering-construction industry: Is it ready for a building boom? Kenneth Brooks (tables)  | Mar  | 21  | 33 | Royal Dutch/Shell broadening interests  | Mar  | 7  | 43 | The U.S. engineering-construction industry: Is it ready for a building boom? — report  | Mar  | 21 | 33 |
| When the safety sleuth comes to call. Anthony J. Piombino   | June | 6   | 41 | UEC's "clean coke" process  | Apr  | 25 | 44 | <b>Contracts</b>   |      |    |    |
| Chemiluminescence — Explosives sniffer  | May  | 2   | 26 | <b>Coatings</b>   |      |    |    | Chemical companies are turning in identical bids on public contracts   | Jan  | 24 | 9  |
| <b>Chile</b>  |      |     |    | Dream Wall paint-on "wallpaper"   | June | 20 | 24 | Dow's plans to shift its contract strategies for "energy intensive" chemicals are inaccurate   | June | 6  | 21 |
| Elections: Dow and other U.S. investors get little solace   | Mar  | 14  | 33 | Grow Chemical patents new method of making powder coatings  | June | 20 | 31 | Great Lakes Carbon ordered to shorten contracts under which it buys the entire raw coke output of eight petroleum refiners                               | June | 27 | 33 |
| Government is moving to legalize its Oct. '72 takeover of Petrodow; polystyrene plant in Santiago, is "definitely moving toward a complete sellout" | Feb  | 28  | 15 | Intumescent paints are hot items in flame-retardant coatings  | May  | 23 | 41 | New construction contracts climbed to \$91.2 billion in '72: McGraw-Hill's Dodge Div. report   | Feb  | 7  | 13 |
| Government's controller rules that the Ministry of Economy's takeover of Dow operations at Concepcion last Oct. was illegal                         | Jan  | 10  | 45 | Powder coating tested by automotive industry  | Jan  | 17 | 36 | Coolants — Rotary engine: market for new car chemicals?  | June | 13 | 29 |
| <b>China, Communist</b>   |      |     |    | Powder coatings for use on glass containers   | Apr  | 11 | 33 | <b>Copper</b>  |      |    |    |
| Asahi sold acrylonitrile unit using Sohio technology to Peking; now trying to sell an acrylic fiber unit  | Mar  | 28  | 32 | Urea-formaldehyde coating resins prices   | Jan  | 17 | 23 | Asarco's electrolytic copper refinery near Amarillo, Tex., main by-product: silver   | Mar  | 14 | 19 |
| Baker Industries makes first sale of fertilizer by U.S. company   | Apr  | 11  | 17 | <b>Coke</b>   |      |    |    | Anacosta plans unit near Twin Buttes, Ariz. to extract copper from ore with sulfuric acid  | Feb  | 21 | 21 |
| Ethylene: Mitsubishi's technology for new plant   | Feb  | 14  | 31 | Chemical Week 300 — reports: Homer Starr (tables) Feb 21-34, Apr 25-40  | May  | 23 | 32 | Bunker Hill's contract for copper plant  | Apr  | 25 | 44 |
| Ethylene plant will use Lummus process  | Jan  | 17  | 25 | Great Lakes Carbon ordered to shorten contracts under which it buys the entire raw coke output of eight petroleum refiners  | June | 27 | 33 | Chemical copper: New Anacosta process solves pollution problems  | Jan  | 24 | 37 |
| Fertilizer from Kuwait  | Jan  | 17  | 44 | Metallurgical coke marketing feasibility study  | Apr  | 25 | 21 | Chemical prices N Mar 7-37   | Mar  | 14 | 28 |
| First U.S. chemical shipment leaves Houston for China   | Jan  | 31  | 15 | National Steel's Weirton, N.W. Va., new coke plant blast spotlights coke problems   | Jan  | 3  | 15 | Duval plans hydrometallurgical copper processing plant at Esperanza mine   | June | 13 | 21 |
| Hitachi bids for construction of pulp plant in China  | Feb  | 7   | 36 | OSHA issues 11 citations for job safety violations  | Mar  | 28 | 17 | Outlook bright   | Jan  | 3  | 13 |
| Industrial exhibition; British make strong bid for China trade  | Apr  | 4   | 41 | Petroleum coke manufacturing plant in France planned  | Apr  | 4  | 29 | Prices up in response to increasing demand   | Jan  | 17 | 23 |
| Japanese fertilizer producers persuade China to pay more  | May  | 23  | 31 | UEC's "clean coke" process  | Apr  | 25 | 44 | Shortage shaping up  | May  | 2  | 18 |
| Japanese push plant from Japan  | May  | 2   | 24 | Colombia — Dow sells interest in LDPE venture to Ecopetrol  | Jan  | 17 | 25 | Copying Machines — Xerox machine unit produces full-color copies on unsensitized paper   | May  | 30 | 43 |
| Licenses Sohio's process to make acrylonitrile  | May  | 16  | 23 | Combustion — Wet combustion to destroy outdated naval ammunition may be tried   | Mar  | 21 | 41 | Cosmetic, Toiletry & Fragrance Assn. Will not oppose FDA proposal that cosmetic ingredients be listed on each package                                    | Feb  | 14 | 26 |
| Mitsui group sells fertilizer plant   | Apr  | 25  | 27 | Commodities — Materials shortage is shaping up  | May  | 2  | 18 | <b>Cosmetics</b>   |      |    |    |
| People's Republic recognizes Teijin Ltd. as a "friendly company"  | Feb  | 14  | 31 | Compressed Gas Assn. — Meeting (60th annual): DOT will need industry's help in developing standards and controls for the safe shipping of hazardous materials, says Davis | Jan  | 24 | 12 | Chemical Week 300 — reports: Homer Starr (tables) Feb 21-31, Apr 25-35   | May  | 23 | 32 |
| Pesticides plant from Japan   | Feb  | 14  | 31 | <b>Computers</b>  |      |    |    | Delaney clause relieve? Conference on the Scientific Basis for the Delaney Amendment says "nay"  | Jan  | 24 | 16 |
| Petrochemical complex from France   | May  | 23  | 40 | Lab computers do it faster  | May  | 9  | 36 | Eagleon bill wants premarket safety tests for cosmetic products, and ingredient labeling on cosmetic products  | Mar  | 21 | 24 |
| Small, crude plants supply 25% of Chinese fertilizer needs  | May  | 30  | 47 | Latest computer hardware cuts chemical plant maintenance costs  | Jan  | 31 | 35 | FDA bans mercury use in skin-bleaching preparations  | Jan  | 17 | 18 |
| U.S. officials expect a healthy chemical trade  | Mar  | 7   | 10 | Mini-calculator sales growth will boost market for chemical components  | Feb  | 7  | 27 | FDA investigating advertising claims for cosmetics   | Apr  | 18 | 18 |
| UOP seeks China deal  | June | 6   | 26 | Owens-Corning's computerized resin making at Anderson plant will be copied at Valparaiso, Ind.  | Mar  | 28 | 31 | FDA proposes that cosmetic ingredients be listed on each package   | Feb  | 14 | 26 |
| Urea projects   | Feb  | 21  | 13 | PCA develops first holographic optical computer memory that performs full-cycle data processing operations  | Feb  | 28 | 43 | Talcum powder: FDA appears ready to set new limits on the amount of asbestos impurities permissible in talcum powder and other talc-containing cosmetics | Mar  | 7  | 13 |
| Vinyl acetate and PV alcohol plant from Japan   | Apr  | 4   | 41 | Textile marketing tool translates designer's sketch into fabric sample at Text Design Center (chart)  | Feb  | 28 | 14 | Teijin diversifying into cosmetics: to acquire a 1/3 interest in Papilio Cosmetics   | Jan  | 10 | 48 |
| <b>China, Nationalist</b>   |      |     |    | Conference Board — '72 Executive Compensation Survey (table)  | Jan  | 3  | 16 | <b>Costs</b>   |      |    |    |
| China Petrochemical licenses Sohio's process to make acrylonitrile  | R    | May | 30 | Consell European des Federations de L'Industrie Chimiques (CEPIC) — chemical lobbying group   | Jan  | 3  | 25 | Evaporation system cuts treatment costs for hard-to-treat chemical wastes (table)  | May  | 9  | 31 |
| Hercules PP: agreement for first plant for Taiwan   | Jan  | 10  | 10 | <b>Construction</b>   |      |    |    | First annual survey of investment in employee health and safety — McGraw-Hill's Economics Dept.  | May  | 30 | 15 |
| Taiwan plans to increase purchases of a wide range of products from U.S. firms  | Apr  | 11  | 17 | Coastal restrictions block petrochemical and power projects (map)   | May  | 30 | 45 | Is professional unionism inevitable? — letter  | Apr  | 11 | 4  |
| UC may build ethylene oxide and glycol plant in Taiwan  | June | 27  | 37 | Dow's Midland, Mich., complex: Landscape plan is aimed at transforming Fortresses   | Feb  | 21 | 45 | Maintenance: Latest computer hardware cuts chemical plant maintenance costs  | Jan  | 31 | 35 |
| <b>Chlorine</b>   |      |     |    | Dow's mining tunnel under Huels complex causes damage, but Huels cannot sue either GAV or BASF  | Feb  | 21 | 38 | Pollution control costs  |      |    |    |
| BP Chemicals' plant at Baglan Bay, South Wales  | Jan  | 3   | 29 | Housing construction reported by Dodge  | Feb  | 28 | 19 | Cleanup costs go up, up, up (chart & table)  |      |    |    |
| Clit, chlor-alkali plant at Becancour, Que.   | Jan  | 31  | 22 |   |      |    |    |  |      |    |    |
| Chlor-alkali prices   | June | 13  | 23 |   |      |    |    |  |      |    |    |
| Dow adding another 1,000-ton/day chlorine plant at Freeport, Tex.   | June | 6   | 21 |   |      |    |    |  |      |    |    |
| Dow will boost its investment in Brazil   | Mar  | 7   | 33 |   |      |    |    |  |      |    |    |
| Expansions will boost total U.S. capacity about 22% (chart)   | Feb  | 14  | 23 |   |      |    |    |  |      |    |    |
| Markets: a battle to meet fast-growing demand   | Feb  | 28  | 27 |   |      |    |    |  |      |    |    |
| PPG's plant in Puerto Rico picketed following the plant's second chlorine leak  | Jan  | 10  | 16 |   |      |    |    |  |      |    |    |
| Prices  | Feb  | 14  | 28 |   |      |    |    |  |      |    |    |
| Swiss plant completed   | R    | Mar | 14 |   |      |    |    |  |      |    |    |
| <b>Chlorine Institute</b>   |      |     |    |   |      |    |    |  |      |    |    |
| Chlorine: a battle to meet fast-growing demand  | Feb  | 28  | 27 |   |      |    |    |  |      |    |    |

|   |     |    |    |
|---|-----|----|----|
| tables) .....   | May | 23 | 49 |
| Counting complex cleanup costs: Aldrich<br>addressing 1st Industrial Water &<br>Pollution Control Conference &<br>Exposition .....    | Mar | 28 | 41 |
| EPA spending for waste-treatment plants<br>is falling short of expectations ..... N   | Apr | 4  | 31 |
| Government spending for new municipal<br>waste treatment plants and sewers may<br>not be more than the \$5 billion<br>planned ..... N | May | 16 | 48 |
| Leverage leasing: Best way to finance<br>pollution control projects? .....  | Apr | 18 | 37 |
| Raw materials, fuels costs pose new peril to<br>CPI earnings (charts) .....   | Mar | 21 | 19 |
| Research gets the word: if it doesn't fit —<br>forget it — report. Donald P. Burke<br>(chart) .....                                   | Feb | 28 | 32 |
| — letters .....   | Mar | 21 | 5  |
| UC's cost-cutting campaign is paying off<br>big .....   | Apr | 11 | 24 |

**Crystals**

|  |       |    |    |
|--|-------|----|----|
| Airport security: new market for chemicals ..                                | May   | 2  | 25 |
| — letter .....   | June  | 20 | 5  |
| Mini-calculator sales growth will boost market for chemical components ..... | Feb   | 7  | 27 |
| Thermoluminescent devices: new measure for radiation exposure .....          | June  | 27 | 35 |
| 5-Cyclohexadecanone — Japanese process for making macro-cyclic musk .....    | N Jan | 3  | 32 |

**D****DDT**

|   |   |      |    |    |
|---|---|------|----|----|
| Coahoma Chemical suit: EPA's Ruckelshaus did not need to file an environment impact statement prior to his decision to ban DDT        | R | Jan  | 10 | 18 |
| — Correction  |   | Jan  | 17 | 18 |
| EPA and USDA unveil education program aimed at helping farmers switch to DDT substitutes  |   | Jan  | 17 | 19 |
| EPA denies requests to use DDT to control tussock moth infestation of Douglas fir trees   | N | May  | 2  | 31 |
| Mississippi will hear appeal of ban   | N | Apr  | 4  | 31 |
| Dairy industry — Chemical Week 300 — reports. Homer Starr (tables) Feb 21-35, Apr 25-42   |   | May  | 23 | 32 |
| David, Edward Jr. — Gould Inc executive v-p: The White House is a tough act to follow   |   | May  | 2  | 40 |
| Defense Department — Mendolia, Arthur named as Assistant Secretary of Defense for installations and logistics                         |   | June | 13 | 19 |
| De-icing — Little, Arthur D. report concludes salting of snow and ice on highways should continue, but the practice has to be limited | N | Feb  | 14 | 68 |
| Denmark — PVC plant planned   |   | Mar  | 21 | 49 |
| Dentistry — Clear polycarbonate brackets catch on as replacement for metal bands in orthodontics                                      |   | Mar  | 7  | 47 |
| — letter  |   | May  | 23 | 5  |

**Deodorants, personal**

|  |  |  |  |      |      |       |
|--|--|--|--|------|------|-------|
| FTC orders 8 manufacturers of deodorants and antiperspirants to document ad claims |  |  |  | June | 6    | 26    |
| Feminine deodorant sprays soon will carry a health warning                         |  |  |  | N    | June | 13 14 |
| Depreciation see <b>Taxation</b>   |  |  |  |      |      |       |
| Desalting see <b>Water Treatment</b>   |  |  |  |      |      |       |

**Desulfurization**

|  |     |     |    |    |
|--|-----|-----|----|----|
| Bunker Hill's lead smelter in Kellogg, Ida., will test process for removing sulfur dioxide from smelter stacks .....                 | N   | Apr | 18 | 39 |
| Fuel Desulfurization: Colonel's Island, near Brunswick, Ga., possible site for heavy-fuel desulfurization refinery .....             | May | 23  | 19 |    |
| Gas absorption tower for removing SO <sub>2</sub> from flue gases .....  | N   | Apr | 4  | 47 |
| JAERI-Ebara joint research project to remove SO <sub>2</sub> and nitrogen oxides from heavy-oil fuel gas with an electron beam ..... | Apr | 25  | 49 |    |
| Detection — Military mine detection system based on chemicals .....  | May | 2   | 26 |    |

**Detergents**

|  |      |    |    |
|--|------|----|----|
| Chemical Week 300 — reports. Homer Starr (tables) Feb 21-31, Apr 25-35   | May  | 23 | 32 |
| Detergent phosphate replacement  |      |    |    |
| HDLS: Phosphate bans spur sales of laundry liquids   | Apr  | 11 | 32 |
| Marketers bracing for a major promotional battle in N.Y. as the statewide ban on phosphate detergents takes effect   | June | 6  | 36 |
| Pfizer develops nonphosphate formulation for machine dishwashing detergents (MDD)  | Mar  | 28 | 27 |
| Producers are actively continuing the search for a suitable phosphate replacement  | Mar  | 21 | 28 |
| Detergent phosphates   |      |    |    |
| Are phosphate detergents on the shelf to stay? Court decision voids controversial ban in Chicago and legislatures in three states consider repeal of bans, but makers continue search for new builders | Mar  | 21 | 28 |

|   |      |    |    |
|---|------|----|----|
| Chicago's ban was an "unjustified interference with interstate commerce" rules Court  | Mar  | 14 | 27 |
| Efforts to repeal bans are running into trouble   | Apr  | 4  | 37 |
| Indiana votes to raise allowable phosphate levels to 8.7% in household detergents and remove restrictions entirely from commercially used detergents; N.Y. legislature stands by its June 73 deadline for total ban | Feb  | 21 | 20 |
| N.Y. and Indiana drives to repeal zero-phosphate legislation gathering steam  | Mar  | 14 | 27 |
| N.Y. ban goes into effect: more state and local detergent phosphate bans on tap (table)   | June | 6  | 25 |
| Maleic-based product could add to the pressure for new maleic capacity  | Apr  | 11 | 23 |
| Pfizer is concentrating its citrate market push on dishwasher detergents  | Mar  | 28 | 27 |
| Diaminomaleonitrile — Kyowa Gas Chemical considering commercial production of DAMN  | Jan  | 3  | 29 |
| Diammonium Phosphate — Indian plant plans dropped   | Jan  | 10 | 46 |
| Dicyclopentadiene — Markets   | May  | 9  | 26 |
| <b>Diethylstilbestrol</b>   |      |    |    |
| FDA orders end to use of implants in beef cattle and sheep  | May  | 2  | 15 |
| FDA will okay use of DES as a "morning-after" birth-control pill  | Feb  | 28 | 18 |
| Three proposed DES substitutes suspected of being carcinogenic  | May  | 9  | 16 |
| USDA study of DES residues in beef cattle   | Apr  | 18 | 18 |
| Diethyl Sulfide — French plant starts up  | May  | 2  | 23 |

**Dimethyl Terephthalate**

|  |   |     |    |    |
|--|---|-----|----|----|
| Hercules looking worldwide for DMT sites:<br>U.S. capacity expanded                                  | N | Mar | 14 | 12 |
| Indian plant at Gujarat  | R | May | 30 | 47 |
| Diocetyl Phthalate — Japanese-Iranian joint<br>venture complex near Abadan, Iran                     | N | Jan | 3  | 25 |
| Disinfectants — Government continues pesticide,<br>disinfectant labeling crackdown                   | N | Jan | 17 | 19 |
| Distribution — Diamond signs first "integrated<br>service" contract in chemical distribution<br>pact | N | Mar | 21 | 31 |
| Drilling — Offshore leasing and drilling programs<br>to speed up                                     | N | May | 23 | 21 |

**Drug, Chemical & Allied Trades Assn.**

|  |     |    |    |
|--|-----|----|----|
| Seminar looks at '73   | Jan | 24 | 13 |
| Weicker, Sen. would like to see the decisions of the FDA reviewed by outside panels of experts | Mar | 14 | 17 |

**Drugs**

|  |      |      |    |    |
|--|------|------|----|----|
| Amphetamines: Are combination amphetamines "new drugs"? FDA challenging a temporary order restraining their recall   | N    | May  | 9  | 20 |
| Amphetamines: weight-reducing drugs under fire   | N    | Jan  | 17 | 14 |
| FDA will go easy   | Jan  | 31   | 15 |    |
| U.S. puts down diet type   | Apr  | 11   | 19 |    |
| Antacids: FDA proposes new rules governing labeling, testing and marketing   | Apr  | 11   | 19 |    |
| Antiasthma drug, Intal   | June | 6    | 35 |    |
| Antibiotics see <b>Antibiotics</b>   |      |      |    |    |
| Anti-inflammatory agents may work best if they're structured like ice  | N    | June | 20 | 31 |
| Anti-inflammatory drug for treatment of humans   | N    | Feb  | 7  | 39 |
| Aspirin: producers deny FTC charges that their ads for nonprescription analgesics were misleading  | Mar  | 21   | 23 |    |
| Chemical Week 300 — reports. Homer Starr (tables) Feb 21-30, Apr 25-34   | May  | 23   | 32 |    |
| Contraceptives: DES as a "morning-after" birth-control pill, okayed by FDA   | Feb  | 28   | 18 |    |
| Diet drugs: BNDD imposes new restrictions on six diet drugs  | June | 27   | 15 |    |
| DCAI looks at '73  | Jan  | 24   | 13 |    |
| European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad   | Apr  | 11   | 36 |    |
| Fisons sees it biggest growth in overseas drug markets   | June | 6    | 35 |    |
| FDA powers affirmed by four Supreme Court decisions  | June | 27   | 15 |    |
| FDA proposal to assure effectiveness of different version of the same drug does not call for across-the-board testing of active ingredients that fight disease | N    | Jan  | 17 | 14 |
| FDA will be getting detailed instructions on how to go about implementing the '62 law that bans sale of drugs considered safe but not very effective           | N    | Jan  | 17 | 14 |
| Hormones see <b>Hormones</b>   |      |      |    |    |
| Ireland: U.S. pharmaceutical makers plan projects  | N    | Jan  | 17 | 25 |
| Methaqualone: William H. Rorer will challenge government's decision to put methaqualone under stricter controls  | N    | Apr  | 18 | 18 |
| Oral dosage drugs must be dispensed in child-resistant safety packages by Apr. 16, '74   | R    | Apr  | 25 | 21 |
| Pharmaceuticals finishing and packaging plant in Jakarta, Indonesia  | R    | June | 6  | 35 |
| Thalidomide: Agreement on damages in Germany and England   | Feb  | 7    | 15 |    |
| Tranquilizers: Carter-Wallace's meprobamate  |      |      |    |    |

|   |     |      |    |    |
|---|-----|------|----|----|
| male — Supreme Court is asked to define the scope of meproamate patent  | May | 2    | 13 |    |
| Tranquilizers: Hoffman-La Roche's U.K. affiliate must cut prices of Valium and Librium  | N   | Apr  | 25 | 30 |
| Fighting an order to cut prices   | N   | May  | 2  | 28 |
| Facing further inquiries  | N   | May  | 16 | 27 |
| U.S. chemical companies send aid to stricken Nicaragua  | Jan | 17   | 18 |    |
| Upjohn asks permission to market Prostin F <sub>2</sub> Alpha for use in terminating pregnancy during the third to sixth months | Mar | 7    | 16 |    |
| Weight-reducing drugs see Amphetamines  |     |      |    |    |
| West German pharmaceutical sales increase   | N   | June | 13 | 39 |
| Drums — BP Chemicals' high-molecular-weight polymers as materials for drums   | N   | May  | 23 | 39 |

**Dyes**

|  |   |     |    |    |
|--|---|-----|----|----|
| Dyemakers: Justice Dept. subpoenas at least a dozen major dye makers to appear before a Newark, N.J., grand jury looking into alleged price fixing | N | Feb | 14 | 17 |
| Producers receive subpoenas  |   | Feb | 21 | 18 |
| FDA's ban on Violet No. 1 food color affects use of other dyes   |   | Apr | 25 | 52 |
| India faces shortage   | N | Jan | 24 | 19 |
| Tennessee Eastman's disperse dyes unit at Kingsport, Tenn.   | R | Mar | 28 | 23 |
| Thermal printing spurs development of improved dyes (diagram)  |   | Feb | 28 | 47 |

**E****Education**

|   |      |    |    |
|---|------|----|----|
| Engineers need a better job climate — Viewpoint | June | 27 | 5  |
| Where will engineers come from? (chart)         | June | 29 | 43 |

**Electric Power Generation**

|   |     |      |    |    |
|---|-----|------|----|----|
| Aluminum industry in the Northwest suffering from major curtailments of power by BPA  | Apr | 25   | 21 |    |
| BPA power curtailments force Anaconda to shut down a potline and two fabricating plants   | N   | May  | 2  | 27 |
| BPA says cutbacks of at least a month face interruptible power customers  | Apr | 18   | 9  |    |
| Fuel costs: Higher power rates add to chemical producers' profit squeeze  | Jan | 10   | 17 |    |
| Hooker stops making chlorinated solvents at Tacoma, Wash., because of UC cut in deliveries of calcium carbide due to power shortages            | N   | May  | 23 | 31 |
| "Power and Human Welfare" study will compare industries' electricity consumption and value added  | Jan | 10   | 41 |    |
| Puerto Rico: Power failures continue to plague petrochemicals complex at Ponce  | N   | June | 27 | 9  |
| Socialism plus electricity — letter   | Jan | 10   | 5  |    |
| Texas' chemical process plants continue to be hit with power and natural gas curtailments   | Jan | 3    | 14 |    |
| Electrodes — Swedish electrode provides more accurate pickling control  | Jan | 24   | 37 |    |
| Electrolysis — Alcoa's electrolytic process will cut pollution, slash power requirements  | N   | Jan  | 17 | 35 |
| Process will get its commercial test in a plant to be built at Palestine, Tex.  | N   | June | 6  | 55 |
| Electron Beams — JAERI-Ebara joint research project to remove SO <sub>2</sub> and nitrogen oxides from heavy-oil fuel gas with an electron beam | Apr | 25   | 49 |    |

**Electronics**

|   |       |    |    |
|---|-------|----|----|
| Airport security: new market for chemicals  | May   | 2  | 25 |
| — letter  | June  | 20 | 5  |
| Mini-calculator sales growth will boost market for chemical components                    | Feb   | 7  | 27 |
| Electroplating — Lea-Ronal will market Monsanto's new cyanide-free electroplating process | N Jan | 10 | 41 |

**Employment**

|   |      |     |    |    |
|---|------|-----|----|----|
| Chemical employment is up (table) .....   | Apr  | 4   | 24 |    |
| Deutsch, Shea & Evans' index for engineer-scientist demand .....                                | N    | May | 16 | 47 |
| Engineers and scientists want a bigger voice in setting employment policies and practices ..... | June | 6   | 63 |    |
| Guidelines on professional employment endorsed by 13 major engineering societies .....          | N    | May | 16 | 47 |
| Gulf R&D will cut its work force 15% on Mar. 1 .....  | N    | Jan | 10 | 10 |
| U.S. Dept. of Labor BLS reports .....   |      |     |    |    |
| More chemical jobs .....  | Jan  | 17  | 18 |    |
| Job market grows .....  | Feb  | 14  | 24 |    |
| More jobs in chemicals .....  | Mar  | 21  | 24 |    |
| More chemical jobs .....  | Apr  | 18  | 12 |    |
| Job market steady .....   | May  | 16  | 22 |    |
| Employment edges up .....   | June | 13  | 21 |    |
| U.S. seeks more minority hiring for top jobs in industry (table) .....                          | May  | 23  | 20 |    |
| Emulsions — Gaulin's package plant allows wax emulsion users to make their own .....            | N    | May | 16 | 47 |

**Energy**

|   |   |     |    |    |
|---|---|-----|----|----|
| Administration's new energy policies are working says C. DiBona | N | May | 23 | 15 |
| AIChE New Orleans meeting discusses                             |   |     |    |    |

|   |      |    |    |   |      |    |    |   |      |    |    |
|---|------|----|----|---|------|----|----|---|------|----|----|
| feedstocks, energy problems   | Mar  | 21 | 45 | and the Friends of the Earth  | June | 6  | 55 | Iraq's ethylene plant and petrochemical complex at Basrah approved  | Mar  | 14 | 31 |
| AICHE's meeting: Herbert Doan challenges engineers to solve waste treatment and energy problems, prove forecasts of doom are wrong  | June | 13 | 41 | Olmi's Saltville plant, mineral rights and \$600,000 will be given to the town  | Jan  | 10 | 17 | Japanese demand will be catching up with supply in the next few years   | Mar  | 7  | 33 |
| Congress pressures Nixon to take action on energy situation   | Apr  | 18 | 14 | PPG's chlorine-caustic soda plant in Puerto Rico picketed following the plant's second chlorine leak  | Jan  | 10 | 16 | Japan's Tonen Sekiyukagaku considering Tomakomai, Hokkaido, as a site for a ethylene unit   | Feb  | 21 | 39 |
| Dow's Dickey sees closing of fuel and feedstock prices driving up the cost of chemical operations   | May  | 16 | 21 | Pollution control costs   | May  | 23 | 49 | Norsk Hydro may join ICI in building plant in England   | Jan  | 24 | 31 |
| Du Pont's energy conservation program has trimmed energy requirements 7-15% year, says consultant manager G.F. Moore  | Mar  | 28 | 25 | Cleanup costs go up, up, up (chart & tables)  | May  | 23 | 49 | North Sea ethylene complex will be built in England or Norway   | May  | 9  | 29 |
| Energy crisis and its impact on the global chemical industry dominates CMRA meeting   | Feb  | 14 | 55 | Counting complex cleanup costs: Aldrich addressing 1st Industrial Water & Pollution Control Conference & Exposition   | Mar  | 28 | 41 | Oil companies plan expansion  | Jan  | 17 | 15 |
| Jackson, Sen. bill to provide more money for non-nuclear energy research gaining support in the Senate  | Mar  | 28 | 25 | EPA spending for waste-treatment plants is falling short of expectations  | Apr  | 4  | 31 | Rotterdam-Antwerp area will have access to West Germany's ARG pipeline grid   | Jan  | 17 | 44 |
| NSF task force to study R&D on energy matters   | May  | 2  | 31 | Government spending for new municipal waste treatment plants and sewers may not be more than the \$5 billion planned  | May  | 16 | 48 | Shortage looms despite producers' plans for new capacity; bind will send prices soaring (chart)   | Apr  | 25 | 15 |
| Needed: national chemical policy — Viewpoint  | Apr  | 18 | 3  | Leverage leasing: Best way to finance pollution control projects?   | Apr  | 18 | 37 | Thailand's Siracha petrochemical complex: End of an impasse   | Mar  | 14 | 30 |
| New energy policy is a bad bargain — Viewpoint  | May  | 9  | 5  | Russia's crackdown on pollution may generate U.S. equipment sales   | Jan  | 17 | 38 | Ethylene Anhydride — Monsanto's resins plant at Luling, La., onstream   | June | 6  | 29 |
| Nixon's energy message: Big changes in store for chemicals?   | Apr  | 25 | 18 | Satellite pollution monitoring program data better than expected  | Jan  | 3  | 22 | Ethylene Glycol — CSMA survey   | May  | 23 | 42 |
| Nixon's energy message: CPI lauds fuel supply boost, sees handicap in import fee  | May  | 2  | 9  | SEC rules companies must report all environmental suits brought against them by government agencies   | May  | 2  | 8  | <b>Ethylene Oxide</b>   | Mar  | 14 | 28 |
| No energy crisis? — letter  | May  | 2  | 36 | SOCMA's Kent says zero in on the new chemicals that pose "unreasonable risk"  | Mar  | 21 | 17 | UC's capacity buildup of EO and PE  | Jan  | 17 | 13 |
| Petrochemical makers will lobby for a "fair shake" in energy policies   | Jan  | 3  | 7  | States consider new environmental restrictions on CPI (table)   | Mar  | 14 | 17 | UC may build a plant in Taiwan  | June | 27 | 37 |
| Stop wasting energy — letter  | Apr  | 11 | 4  | UC's new measurement technique speeds odor study, pinpoints potential control problems (table)  | Mar  | 14 | 35 | Umicmacplant — French plant starts up   | May  | 2  | 23 |
| What energy crisis means to CPI in feedstocks and added costs: NPRA meeting   | Apr  | 11 | 26 | What new Congressional and Cabinet lineup means to the CPI  | Jan  | 10 | 15 | <b>Europe</b>   | Jan  | 3  | 25 |
| What new Congressional and Cabinet lineup means to the CPI  | June | 10 | 15 | Environment see also <b>Air Pollution; Waste Disposal; Waste Utilization; Water Pollution</b>   | Jan  | 10 | 15 | CEFC, chemical lobbying group   | Jan  | 3  | 25 |
| White House policy: Look for some significant changes   | Jan  | 3  | 8  | <b>Environmental Protection Agency</b>  | Jan  | 3  | 8  | CEFC will propose a European chemical capacity information exchange plan  | Jan  | 31 | 23 |
| <b>Engineering</b>  |      |    |    | Fri. Robert, new interim administrator; other internal EPA changes  | May  | 9  | 9  | Chemical firms up stake in drugs  | Jan  | 17 | 36 |
| Alcoa develops low-cost route to high-temperature alumina fiber   | Feb  | 14 | 65 | Regulations, standards, etc. see <b>Air Pollution, Environment, Waste Utilization, Water Pollution</b> or specific product — <b>Herbicides, Insecticides</b> etc. | May  | 9  | 9  | Chemical makers fear a squeeze on oil supplies as a result of cutbacks in Mid-east production and expanding imports by the US                                   | May  | 2  | 24 |
| Dow's Midland, Mich., complex: Landscape plan is aimed at transforming "Fortress Dow"   | Feb  | 21 | 45 | Spending for waste-treatment plants is falling short of expectations  | Apr  | 4  | 31 | Common Market adds economic muscle with entry of U.K., Denmark and Ireland (map & chart)  | Jan  | 3  | 26 |
| Flexible matting for heat-treating field welds by exothermic chemical reaction  | Apr  | 4  | 51 | 32-city survey shows the air is cleaner in mid-city areas as a result of pollution abatement efforts  | May  | 16 | 48 | Common Market countries may eliminate lead in gasoline by '80   | Mar  | 14 | 39 |
| Hydrometallurgical methods promise cheaper nonferrous ore recovery  | Apr  | 25 | 44 | Epichlorohydrin — Japanese joint venture  | Apr  | 4  | 29 | Common Market likely to invoke capital controls to check the flow of U.S. capital investments   | Mar  | 28 | 38 |
| Lummus' TPA process: How new process for making TPA reduces capital, operating costs  | Apr  | 11 | 27 | Correction — letter   | May  | 2  | 36 | Common Market setting up a marriage bureau for companies that want to merge   | May  | 2  | 24 |
| Phosphoric acid buildup: producers ponder process choices   | Jan  | 3  | 33 | Epoxies see <b>Resins</b>   | May  | 2  | 36 | DuPont's European project — sites under consideration include Northern Ireland and the Irish Republic   | Jan  | 24 | 31 |
| The U.S. engineering-construction industry: Is it ready for a building boom? — report, Kenneth Brooks (tables)  | Mar  | 21 | 33 | Epsom Salt — FDA warns containers supposedly filled with Pure-Pac epsom salt, may actually contain potassium nitrate  | June | 20 | 15 | DSM's president Rottler calls for cooperation in planning new investment in Europe  | Jan  | 10 | 48 |
| Vertical kiln process may end oil-from-shale bottleneck   | Apr  | 18 | 33 | Equipment — Steel shortage slows chemical construction (table)  | June | 20 | 27 | EC's Schieder cracking down on cartels; Common Market antitrust chief has his eye on U.S.-owned as well as European firms                                       | Feb  | 14 | 33 |
| <b>Engines</b>  |      |    |    | <b>Ethane</b>   | June | 20 | 27 | ECC charging Continental Can with violation of article challenged   | Jan  | 3  | 25 |
| International Auto Show spotlights alternatives to piston engine  | Apr  | 18 | 13 | Australian pipeline controversy: Esso-BHP delivers feedstock across Australian bay after two-year delay (map)   | Feb  | 28 | 25 | Move to block acquisition overturned by Court of Justice; however court affirms commission's authority to control multinational mergers that lessen competition | Feb  | 28 | 23 |
| Rotary engine: market for new car chemicals?  | June | 13 | 29 | Canada: Dow negotiating to tie in with Dome Petroleum's proposed ethane pipeline  | Mar  | 14 | 12 | ECC fines Commercial Solvents and its Italian subsidiary Instituto Chemoterpico about \$217,000 for "abuse of a dominant position"                              | Jan  | 3  | 25 |
| Wankel engine: American Motors obtains a license for U.S. rights  | Feb  | 28 | 43 | Dow and Dome may build complex in Alberta   | Apr  | 25 | 13 | Fiber makers hope to get support for their revised plan from Common Market Comm.  | Jan  | 31 | 23 |
| <b>Environment</b>  |      |    |    | Behind Dow's Dome deal  | May  | 2  | 14 | Fiber makers still angling for coordination of new plant construction as a way to prevent future overcapacity   | Jan  | 3  | 25 |
| Alaskan pipeline: Administration will appeal a recent court decision barring construction and sponsor legislation to permit the enlarged rights-of-way prohibited by the court  | Mar  | 7  | 10 | Ethoxylate — Japanese plant using UC technology planned   | Mar  | 28 | 34 | Fibers: information-sharing system for Europe's fiber makers to be operated by the Common Market is under consideration   | June | 27 | 37 |
| AICHE zeros in on chemical pollution problems at Detroit meeting  | June | 13 | 41 | Ethyl Alcohol — "Gasohol" for Midwest? 2-ethyl Hexanol — Japanese-Iranian joint venture complex near Abadan, Iran   | Apr  | 4  | 24 | Finland: chemical buildup; holdup in EC trade pact could upset schedule   | Apr  | 25 | 28 |
| Australian ethane pipeline controversy: Esso-BHP delivers feedstock across Australian bay after two-year delay (map)  | Feb  | 28 | 25 | <b>Ethylene</b>   | Jan  | 3  | 25 | Foreign forecast: World chemicals head for brighter future — report, Albert H. Klein (charts)   | Jan  | 24 | 25 |
| Delaware considering several environmental measures that would impose severe restrictions on the state's chemical industry  | May  | 2  | 15 | Argentina: Ethylene project lines up five customers   | Mar  | 14 | 30 | ICI wants to boost automotive sales to the European market  | Apr  | 18 | 31 |
| Ecology laws get test: case involving ICC and a group of ecologists, may set new limits on the use of the environmental impact statement; law banning discharging of industrial wastes into navigable waterways without a federal permit from the Army Corps of Engineers | Jan  | 3  | 14 | Austria's OEMV plans to spend \$4 million to double ethylene and propylene capacities   | Feb  | 14 | 34 | Industrial production will grow faster than that of the U.S. during the next 10 years — McGraw-Hill Economics Dept.   | May  | 7  | 9  |
| How chemical companies make a profit in pollution technology  | Jan  | 10 | 35 | BP Chemical International's Baglan Bay plant fire; BP will be searching Europe for ethylene to supply downstream plants   | Feb  | 14 | 31 | Roundup R Jan 10-46   | Mar  | 2  | 23 |
| Impact statements will have to be filed earlier than they are now under guidelines proposed by the Council on Environmental Quality   | May  | 9  | 20 | Canada: Dow negotiating to tie in with Dome Petroleum's proposed ethane pipeline  | Mar  | 14 | 12 | Spanish government encouraging the construction of chemical plants big enough to compete in Europe  | Apr  | 18 | 27 |
| International Isocyanate Institute, new industry group, will meet to develop a program for promoting isocyanates  | Mar  | 21 | 23 | Dow and Dome may build complex in Alberta   | Apr  | 25 | 13 | Specialized resins demand lifts Europe's plastics additive sales (table)  | Apr  | 4  | 33 |
| More of management moves into the environment picture — report, Irvin Schwartz (chart)  | Feb  | 14 | 57 | Behind Dow's Dome deal  | May  | 2  | 14 | Sulfur shortage developing  | Feb  | 7  | 23 |
| New Jersey bill would give the state's EPA veto powers over proposed coastal projects   | May  | 2  | 14 | Canada's SCAP project: Dow drops out; Du Pont and Polymer must now decide whether they want to proceed  | Mar  | 14 | 12 | Synthetic fibers: from glut to shortage   | May  | 16 | 29 |
| Nixon's environmental message highlights: higher tax on SO emissions and action on a stronger toxic substances control bill   | Feb  | 21 | 41 | SOAP project isn't dead   | May  | 30 | 9  | Textile output should grow faster than all industries   | Mar  | 14 | 33 |
| Nuclear power: Closing of 20 plants is the aim of environmentalists led by R. Nader   | Feb  | 21 | 41 | Chinese plant will use Lummus process   | Jan  | 17 | 25 | <b>Evaporation</b>  |      |    |    |
|   |      |    |    | Chinese plant will use Mitsubishi technology  | Feb  | 14 | 31 | Dow uses solar evaporation to cut waste loads at Pittsburg, Calif.  | May  | 16 | 57 |
|   |      |    |    | Dow's needs may be filled by building crude oil refinery at either Freeport, Tex., or Plaquemine, La.   | May  | 16 | 23 | Multiple-effect evaporator cuts costs of treating pharmaceutical and food processing wastes (table)   | May  | 9  | 31 |
|   |      |    |    | Eastman's Longview, Tex., operations prospective expansion  | May  | 16 | 17 | <b>Explosions</b>   |      |    |    |
|   |      |    |    | Feedstocks: National Petroleum Refiners Assn. meeting — Getting a better handle on '80 feedstock costs  | Apr  | 11 | 26 | Cherokee Nitrogen's ammonium nitrate warehouse at Pryor, Okla., fire and explosion  | Jan  | 24 | 19 |
|   |      |    |    | French unit at Feyzin may boost capacity  | May  | 16 | 27 | Cities Service's Levey Div. ink factory and warehouse in Chicago destroyed by explosion and fire  | June | 6  | 28 |
|   |      |    |    | German plant started up   | Feb  | 14 | 34 |   |      |    |    |
|   |      |    |    | Gulf Oil's plant site will be Cedar Bayou, Tex.   | June | 13 | 21 |   |      |    |    |



|   |     |       |       |
|---|-----|-------|-------|
| FMC's persulfate plant at Tonawanda, N.Y., explosion and fire                       | Mar | 14    | 20    |
| Cause pinpointed  | N   | Mar   | 28 25 |
| LPG pipeline near Phillips refinery in Austin, Tex., leak explodes                  | Mar | 7     | 15    |
| National Steel's Werten, W.Va., new coke plant blast spotlights coke problems       | Jan | 3     | 15    |
| OSHA issues 11 citations for job safety violations                                  | N   | Mar   | 28 17 |
| Navy bomb shipment explodes in Roseville, Calif., switching yard                    | May | 9     | 13    |
| Staten Island, N.Y., LNG tank disaster will aggravate CPI's site selection problems | Feb | 21    | 19    |
| Monatorm on LNG?  | Feb | 28    | 18    |
| Thiokol's Woodbine, Ga., plant explosion  | Feb | 21-19 |       |

**Explosives**

|   |   |     |       |
|---|---|-----|-------|
| Du Pont sells Moosic, Pa., black powder unit to Gearheart-Owen Industries                               | R | May | 2 15  |
| ICI reorganizes its domestic explosives business into a wholly owned subsidiary, Nobel's Explosives Co. | N | Jan | 31 23 |

**Exports**

|   |      |      |       |
|---|------|------|-------|
| and stronger hand in trade — Viewpoint  | Apr  | 18   | 3     |
| Balance of trade  |      |      |       |
| Big balance no trend — Commerce Dept. report  | June | 6    | 26    |
| Cheaper dollar boosts chemical trade balance — Commerce Dept. report (charts)   | May  | 2    | 19    |
| Chemical surplus up, Commerce Dept. figures (chart)   | Mar  | 7    | 13    |
| More chemical trade? Commerce Dept.'s Bureau of International Commerce report (chart)   | Feb  | 7    | 14    |
| Trade balance declines — Commerce Dept. report (table)  | Apr  | 4    | 25    |
| Trade turnaround in June?   | N    | May  | 30 9  |
| East-west trade   |      |      |       |
| Brezhnev's visit: Catalyst for chemical trade?  | June | 13   | 15    |
| China: Baker Industries makes first sale of fertilizer by a U.S. company  | Apr  | 11   | 17    |
| China trade discussed at SDA convention   | Jan  | 31   | 14    |
| First U.S. chemical shipment leaves Houston for China   | Jan  | 31   | 15    |
| National Council of U.S.-China trade to be held May 31 in Wash.   | May  | 30   | 14    |
| Oxy signs fertilizer deal with Russians   | N    | Apr  | 18 9  |
| Minor snag over financing procedures develops   | May  | 23   | 24    |
| Oxy-USSR agreement: metal finishing equipment for Soviet nickel   | R    | Jan  | 3 16  |
| U.S. China trade could reach \$400 million in '73 says J. Sobin   | N    | May  | 30 9  |
| U.S. officials expect a healthy chemical trade with China   | N    | Mar  | 7 10  |
| UOP seeks China deal  | N    | June | 6 26  |
| European Common Market adds economic muscle with entry of U.K., Denmark and Ireland (map & chart)                             | Jan  | 3    | 26    |
| French chemical trade balance improves  | N    | May  | 2 24  |
| Great Britain: '73 first-quarter chemical exports   | R    | Mar  | 28 34 |
| Industry input to guide U.S. trade negotiators is No. 1 topic of session of chemical industry executives with Dent and Eberle | N    | June | 20 9  |
| Japan: 15% yen revaluation would wipe out chemical trade surplus  | N    | Feb  | 28 23 |
| Japan's surplus grows   | Mar  | 14   | 21    |
| New energy policy is a bad bargain — Viewpoint  | May  | 9    | 5     |
| Petrochemicals: Interior's OOG would modify import-for-export program   | N    | Feb  | 14 18 |
| Tire and tube imports outdistance exports (table)   | Feb  | 14   | 22    |
| Trade bill see Tariffs  |      |      |       |
| Trade policy: Congress in no mood to give Nixon blank check on trade  | Jan  | 24   | 14    |
| Trade Reform Act of '73: They're marshaling for GATT fight  | Apr  | 18   | 10    |
| West German exports up  | N    | May  | 23 43 |
| West German pharmaceutical sales increase   | N    | June | 13 39 |
| What new Congressional and Cabinet lineup means to the CPI  | Jan  | 10   | 15    |

**Expositions**

|   |      |     |       |
|---|------|-----|-------|
| ACHEMA preview: Early line on equipment to look for at '73 show             | May  | 16  | 39    |
| Achema exhibition opens reflecting world problems                           | June | 27  | 14    |
| International Auto Show spotlights alternatives to piston engine            | Apr  | 18  | 13    |
| National Packaging Exposition: New resins, processes take spotlight at show | May  | 16  | 20    |
| NEFTA-GAZ EXPO '73  | N    | Mar | 21 17 |

**Extraction**

|  |     |     |       |
|--|-----|-----|-------|
| Republic Steel's nickel extraction process will permit use of new ores and will improve recovery | N   | Mar | 21 42 |
| Solvent extraction may pay off in wastewater cleanup (table)                                     | Apr | 11  | 34    |

**F****Farm Market**

|                              |     |    |    |
|------------------------------|-----|----|----|
| Bumper year for ag chemicals | Jan | 31 | 12 |
|------------------------------|-----|----|----|

|  |     |    |    |
|--|-----|----|----|
| The phasing out of farm subsidies could spur ag chemical sales | Feb | 28 | 16 |
|--|-----|----|----|

**Fatty Acids**

|  |     |     |       |
|--|-----|-----|-------|
| Japanese fatty acid ester plant planned                            | R   | Feb | 7 36  |
| Proctor & Gamble expanding capacity at Quincy, Mass., plant        | R   | May | 23 24 |
| Ferracane, William — Crompton & Knowles                            |     |     |       |
| Chemical Group president: When it comes to profits he's wide awake | May | 9   | 40    |
| Ferroalloys — Pncea  | N   | May | 2 28  |

**Fertilizer Institute**

|  |      |     |      |
|--|------|-----|------|
| Annual marketing conference: Harvest of optimism                               | June | 20  | 14   |
| Boom in fertilizers  | Mar  | 7   | 36   |
| A little better in '72   | Apr  | 18  | 24   |
| Meeting (annual): Fertilizer makers see king-size season and problems to match | Feb  | 14  | 55   |
| Use of phosphate and nitrogen fertilizers up, potash down                      | N    | Feb | 7 23 |

**Fertilizers**

|  |      |      |       |
|--|------|------|-------|
| AID contracts for aid to South Vietnam   | N    | Jan  | 31 9  |
| AID plans to buy about half its fertilizer requirements from overseas sources  | N    | June | 20 22 |
| Baker Industries makes first sale of fertilizer by a U.S. company to China   | Apr  | 11   | 17    |
| Boom in fertilizers: FI index  | Mar  | 7    | 36    |
| Bumper year for ag chemicals   | Jan  | 31   | 12    |
| China: Small, crude plants supply 25% of Chinese fertilizer needs  | May  | 30   | 47    |
| Farmers Chemical's Tunia, N.C. plant resumes operation   | R    | Jan  | 10 18 |
| FI report: A little better in '72  | Apr  | 18   | 24    |
| FI reports use of phosphate and nitrogen fertilizers up, potash down   | N    | Feb  | 7 23  |
| FI's annual marketing conference: Harvest of optimism  | June | 20   | 14    |
| India plans for plenty   | Feb  | 7    | 36    |
| India's fertilizer supply problems   | N    | Jan  | 10 48 |
| Japanese fertilizer producers persuade China to pay more   | N    | May  | 23 31 |
| Kuwait sells fertilizer to China   | R    | Jan  | 17 44 |
| Makers see king-size season and problems to match  | Feb  | 14   | 55    |
| Markets will be in balance: forecasts for '72-'73 consumption  | N    | Jan  | 17 23 |
| Mississippi Chemical's complex will get two new major air pollution control systems  | N    | Jan  | 17 36 |
| Mississippi Chemical's expansions at its Yazoo City and Pascagoula, Miss. plants   | June | 27   | 13    |
| Mitsui group sells plant to China  | N    | Apr  | 25 27 |
| Mobile sells fertilizer operations   | Apr  | 11   | 20    |
| Negotiations for the sale of Cyanamid's plant food business to CF Industries broken off  | N    | Feb  | 7 9   |
| Nigeria complex at Kaduna  | May  | 2    | 23    |
| Oxy signs fertilizer deal with Russians  | N    | Apr  | 18 9  |
| Minor snag over financing procedures develops  | May  | 23   | 24    |
| Oil companies in the fertilizer business: some like it, some don't: all expanding in other chemical lines (table)  | Jan  | 17   | 15    |
| Outlook: Bigger crop plantings and strong export demand will make it a banner year for plant nutrient sales, despite widespread rains and transportation tie-ups | Apr  | 18   | 23    |
| The phasing out of farm subsidies could spur ag chemical sales   | Feb  | 28   | 16    |
| Phosphate rock shortages will continue   | N    | May  | 16 33 |
| Russia: Shakeup for Soviet chemicals?  | Feb  | 21   | 38    |
| Russia's agricultural crisis   | Mar  | 21   | 47    |
| Russia's production goal of 90 million tons/year by '75 will be met  | N    | Mar  | 28 32 |
| Sales up: shipments exceed output, driving inventories to low levels   | June | 13   | 21    |
| South Korea starts new round of chemical building  | June | 27   | 39    |
| South Vietnam program for developing fertilizer manufacturing capacity   | Feb  | 14   | 35    |
| Suppliers still voicing optimism despite continuing adverse weather and flooding in the Midwest and MidSouth   | N    | May  | 9 25  |
| Thai plant in the Pathum Thani area planned  | R    | Jan  | 10 46 |
| Valley Nitrogen Producers up capacity at Helm, Calif. complex  | R    | May  | 2 15  |
| Fertilizers see also individual fertilizers: Ammonia, Nitrogen, Phosphate etc.   |      |      |       |

**Fibers**

|   |     |      |       |
|---|-----|------|-------|
| Acrylic: Asahi trying to sell the Chinese an acrylic fiber unit           | N   | Mar  | 28 32 |
| Acrylic: Du Pont Canada boosting capacity at Millfield, Ont.              | R   | June | 6 35  |
| Acrylic: Du Pont expanding Orion facilities at Maydon works, Ireland      | N   | June | 13 21 |
| Acrylic: Vornix plant in Greece   | R   | May  | 2 23  |
| Acrylic fiber joint venture in Lisbon by Mitsubishi and Cia. Uniao Fabril | R   | Feb  | 7 36  |
| Plant to be built at Barreiro, near Lisbon                                | R   | May  | 30 47 |
| Acrylic fiber plant at Lingen, Germany                                    | R   | Feb  | 21 39 |
| Alcoa develops low-cost route to high-temperature alumina fiber           | Feb | 14   | 65    |
| Courtaulds plans expansion of nylon, polyester and acrylic fiber units    | Feb | 28   | 15    |
| Du Pont readying Fiber B expansion?                                       | N   | Feb  | 21 13 |
| Europe: information-sharing system for fiber makers to be operated by the |     |      |       |

|   |      |      |       |
|---|------|------|-------|
| Common Market is under consideration  | N    | June | 27 37 |
| Europe's fiber makers still angling for co-ordination of new plant construction as a way to prevent future overcapacity | N    | Jan  | 3 25  |
| European makers hope to get support for their revised plan from Common Market Commission                                | N    | Jan  | 31 23 |
| Europe's synthetic fibers: from glut to shortage  | May  | 16   | 29    |
| Four fibers in search of a name: producers feel generic names for fibers could boost sales                              | Mar  | 14   | 42    |
| French warning against premature fiber buildup  | N    | Apr  | 11 25 |
| Great Britain: fiber price increases are paving the way for major expansions  | N    | June | 20 20 |
| Imports ease up — Commerce Dept. report   | Mar  | 21   | 20    |
| Ireland: Courtaulds plans complex at Camogie  | R    | May  | 2 23  |
| Japan acts against fiber cartel   | N    | Jan  | 3 29  |
| Japan's synthetic fiber production dropped 4% last year   | N    | Feb  | 7 31  |
| Japan's synthetic fibers demand   | N    | May  | 23 43 |
| Japanese makers will increase capital outlays in fiscal '73   | May  | 23   | 23    |
| Man-made fiber imports drop   | N    | Apr  | 18 25 |
| Markets are getting extremely tight and prices are rising   | N    | June | 13 23 |
| Monsanto's polyester tire yarn plant at Decatur, Ala., will convert to production of nylon carpet and other fibers      | R    | Mar  | 21 24 |
| Polyesters see Polyesters   |      |      |       |
| Polypropylene see Polypropylene   |      |      |       |
| Prices  | N    | Apr  | 25 30 |
| Protein fiber capacity at Toyobo's Tsuruga Works to be doubled  | R    | Feb  | 21 39 |
| Slowdown ahead? Monsanto Textiles' economic forecast  | Feb  | 7    | 16    |
| Synthetic fibers: South Korea starts new round of chemical building   | June | 27   | 39    |
| Synthetics out front: Nylon, polyester fiber shipments rose sharply during Jan-Feb                                      | Apr  | 11   | 20    |
| Textile Economics Bureau report   | Feb  | 28   | 47    |
| Thermal printing: hot new process for synthetic-fiber textiles (diagram)  | Feb  | 28   | 47    |
| UC's European carbon fiber plant possible   | N    | Jan  | 3 7   |
| U.S. synthetic fiber output: still growing fast (chart)   | Feb  | 28   | 14    |
| Worldwide production increases  | Jan  | 17   | 20    |

**Filters**

|  |     |     |      |
|--|-----|-----|------|
| Control for odors, Sanilan   | Mar | 14  | 42   |
| Travelling-belt filter will get its first test in Olin's Pasadena, Tex., phosphoric acid plant | N   | Apr | 4 47 |

**Financial**

|  |      |      |       |
|--|------|------|-------|
| Allied Chemical projecting substantial gains in earnings in '73 and beyond   | Apr  | 18   | 13    |
| American Hoechst's U.S. sales up in '72; expects '73 sales to top \$300 million  | Mar  | 7    | 16    |
| Asarco's Forrest Hamrick optimistic for '73  | Feb  | 21   | 18    |
| Annual meetings: first-quarter results provide encouraging news  | Apr  | 18   | 14    |
| Shareholders hear that the best is yet to come   | May  | 2    | 12    |
| Annual meetings and security analyst presentations: Accent on the positive   | May  | 9    | 15    |
| Anti-inflation action catches U.S. chemical industry with its operating costs up and its product prices down (chart)                         | June | 20   | 12    |
| Ashland Oil projecting substantial gains in earnings in '73 and beyond   | Apr  | 18   | 13    |
| BASF's capital spending plans for '73  | N    | Jan  | 24 31 |
| Baker Industries going public  | N    | May  | 2 8   |
| Capital spending: chemical companies will increase '73 spending 20% — Commerce Dept. survey  | N    | Mar  | 14 23 |
| Capital spending: CPI outlays of \$15 billion/year to boost capacity 11-30% by '76 — McGraw-Hill's 26th annual survey (charts, map & tables) | May  | 9    | 11    |
| — letter   | June | 20   | 5     |
| Capital spending: Chemical spending buildup continues — Conference Board study   | N    | June | 6 21  |
| Capital spending: the lid is off: chemicals' domestic and foreign spending: a three-year scorecard — CW survey (chart & tables)              | Jan  | 10   | 13    |
| Capital spending discussed at N.Y. Society of Security Analysts  | May  | 30   | 14    |
| Capital spending plans   | N    | Jan  | 17 13 |
| Capital spending plans revised downward: Commerce Dept. survey   | N    | June | 13 14 |
| Chemical industry profits will increase only slightly next year  | N    | May  | 30 9  |
| Chemical's annual "Review and Forecast": Outlook great — but for how long?   | May  | 16   | 21    |
| CPI sales and earnings — FTC report  | June | 20   | 15    |
| Chemical Week 300 — report   |      |      |       |
| Chemical companies' net, up 20%, tops CPI in last-quarter '72 (tables)   | Feb  | 21   | 29    |
| Top CPI companies were big winners in the '72 profit boom. Homer Starr (tables)  | Apr  | 25   | 32    |
| First quarter a triumph for major CPI companies: margins are moving up (tables)  | May  | 23   | 32    |
| Corco: SEC looking into co's use of "true industry values" instead of actual sales   |      |      |       |

|   |      |      |     |   |   |      |      |    |  |   |      |      |    |    |
|---|------|------|-----|---|---|------|------|----|--|---|------|------|----|----|
| prices as the basis for about 74% of its reported earnings in '72   | Apr  | 18   | 15  | Money market: Strategy in '73 — spend more, borrow less (charts)  | R   | June | 27   | 15 | offs charged to operating income   | Jan   | 24   | 12   |    |    |
| Devaluation may push Mobay into making industrial chemicals in the U.S.   | Mar  | 7    | 9   | Monsanto's forecast at N.Y. Soc. of Security Analysts: Hanley gives rosy report on second-quarter income  |   | May  | 23   | 17 | SEC okays forecasting  | Jan   | 24   | 24   |    |    |
| Diamond Shamrock's decision to sell Pickands Mather was not financially motivated says Chairman Hughes  | Jan  | 3    | 7   | Multinationals talk their way out of trouble (chart & table)  |   | June | 27   | 12 | SEC's set of rules that will require cos. to include more information in their annual reports seen as aid for competitors  | June  | 13   | 18   |    |    |
| Dollar crisis: CPI reaction   | Mar  | 14   | 17  | Nader's Raiders attack government regulation of industry in a new book "The Monopoly Makers"  | N   | Mar  | 28   | 18 | Shareholder meetings will air earnings forecasts and unmarked proxy balloting  | N   | Feb  | 28   | 13 |    |
| Dollar crisis: winners, losers (chart)  | Mar  | 21   | 22  | The new dollar: what it means to U.S. chemicals   |   | June | 6    | 21 | Sherwin-Williams' Schlaudecker predicts his group will operate in the black in '73. Specialties: Think small to make it big in specialty chemicals — report, Charles H. Kline (chart & tables) | Feb   | 28   | 20   |    |    |
| Dow Chemical, borrow now, build later — the thinking behind latest debt offerings   | June | 27   | 9   | N.Y. financial analysts hear from Airco, Ferro and Weyerhaeuser   |   | Feb  | 21   | 15 | — letters  | Jan   | 17   | 27   |    |    |
| Dow Chemical Europe's Merszel sees division's sales growing 20% year during next five years, profits climbing twice as fast   | May  | 23   | 44  | '72 was a very profitable year indicate preliminary financial reports   |   | Feb  | 7    | 16 | Stock splits   | Feb   | 21   | 21   |    |    |
| Dow's Gerstacker says foreign countries should buy stock in big U.S. companies to help offset our trade deficit   | May  | 16   | 17  | Nixon's budget: less funding for environment, science, health   |   | Jan  | 3    | 12 | Stock splits, stock dividends, bigger payouts planned  | Feb   | 7    | 12   |    |    |
| Dual prime rate system may make bank loans more costly  | N    | Apr  | 25  | Northwest Industries will offer General Battery stockholders \$34/share   | N   | Feb  | 21   | 17 | Stocks: Chemical stocks — from doghouse to pedestal (charts)   | May   | 16   | 19   |    |    |
| Du Pont reaps rewards of R&D investment   | N    | Feb  | 7   | 9   | Northwest Industries' Ben Heineman predicts bright picture for '73  | N    | Mar  | 21 | 18   | Stocks: companies purchasing their own shares   | Mar  | 21   | 49 |    |
| Du Pont target: \$2 billion in overseas sales   | N    | Apr  | 4   | 43  | Olin's Towey: Credits boost in special ties for company's chemical profit climb   |      | Feb  | 21 | 18   | Sweden: earnings rise   | N    | Feb  | 14 | 17 |
| Du Pont's outlook for '73 is "excellent" says McCoy   | N    | Mar  | 14  | 11  | Operating results: some chemical process companies have included line-of-business operating information in their '72 annual reports |      | June | 13 | 18   | Tenneco Inc. plans capital and investment expenditures  | N    | Apr  | 25 | 13 |
| Economic trend: CPI sales and profits will continue to rise during '73-'74, though housing starts and auto production will decline (charts)   | June | 27   | 10  | Outlook for '73   |   | Mar  | 21   | 22 | UC cancels its \$300-million line of credit with a group of banks  | N   | Jan  | 24   | 9  |    |
| Europe: Capital controls are likely to be invoked by Comm. Market countries to check the flow of U.S. capital investments   | Mar  | 28   | 38  | Outlook for '73: meetings of security analysts groups   |   | Mar  | 28   | 22 | UC's cost-cutting campaign is paying off big   | Apr   | 11   | 24   |    |    |
| Europe: DSM's president Rotter calls for cooperation in planning new investment in Europe   | N    | Jan  | 10  | 48  | Overseas sales and capital spending   |      | Feb  | 14 | 24   | UC's outlook bright: Sneath says auto seating, safety bumpers show promise as urethane markets                                      | Mar  | 21   | 20 |    |
| FTC to publish a detailed product-by-product breakdown of every major CPI company's total shipment value, results will decide where antitrust investigators would spend their time      | N    | Feb  | 7   | 10  | PPG's '72 sales and earnings: '73 forecast Phase III  |      | Mar  | 28 | 34   | Union Oil of California's '72 sales and earnings: '73 forecast  | Mar  | 14   | 16 |    |
| Ferro Corp.: N.Y. analysts hear forecast  | June | 27   | 12  | How will Phase III affect the industry?   |   | Mar  | 14   | 16 | U.S. business is in deep trouble — Viewpoint   | Jan   | 17   | 5    |    |    |
| Ferro Corp.'s sales and earnings in first quarter in '73  | Apr  | 11   | 18  | Praise for Phase III  |   | Jan  | 3    | 12 | — letters Feb 14-5 (letters) Mar 7-5   | Mar   | 14   | 8    |    |    |
| Fittrol Corp.'s dividends slashed in apparent preparation for major acquisitions and expansions   | June | 27   | 11  | Why Phase III makes us nervous — Viewpoint  |   | Jan  | 17   | 20 | UOP's Logan: From loss in '71 to profit in '72 and "excellent outlook" for '73   | Jan   | 3    | 9    |    |    |
| Fisons' major growth areas: Europe, Japan and the U.S.  | June | 6    | 35  | — letter  |   | Jan  | 24   | 5  | '72 and "excellent outlook" for '73  | Jan   | 10   | 18   |    |    |
| Forecast '73: Recovery gains speed — report, Donald P. Burke (charts)   | Jan  | 10   | 25  | More freedom to manage (chart & table)  |   | Jan  | 31   | 3  | Vietnam peace could have a major indirect effect on the economy  | N   | Jan  | 31   | 9  |    |
| Foreign forecast: World chemicals head for brighter future — report, Albert H. Kislun (charts)  | Jan  | 24   | 25  | TLP agreements will remain in effect in Phase III   | R   | Jan  | 24   | 10 | Vietnam starts the long journey back   | Feb   | 7    | 34   |    |    |
| Foreign investment: Mandatory controls on foreign direct investment have been extended for another 12 months  | N    | Jan  | 10  | 9   | President Nixon's 5.5% pay-raise limit: A floor or a ceiling?   |      | Feb  | 14 | 27   | West German chemical investment plans being reviewed  | N    | May  | 23 | 43 |
| GAF's '72 sales and earnings: '73 forecast  | Mar  | 14   | 16  | Philip Petroleum's '72 some gains, some losses: W. Douce at N.Y. security analysts meeting  |   | Mar  | 7    | 12 | White House predicts a rapid pickup in the economy this year   | N   | Feb  | 7    | 10 |    |
| Georgia-Pacific: FTC consent order requires G-P to transfer to Louisiana-Pacific Corp. about 20% of its assets  | Jan  | 30   | 7   | Pollution control shapes up as a money-maker for some   |   | Mar  | 14   | 24 | Wilco authorizes purchase this year of up to 200,000 common shares of Wilco stock  | EC  | Mar  | 21   | 24 |    |
| Goodyear's '73 first-quarter sales and earnings   | Apr  | 11   | 18  | Profit margin rules: no sweeping changes in the Administration's controls programs this year  |   | N    | Apr  | 4  | 17   | Finland — Chemical buildup; holdup in EC trade pact could upset schedule  | Apr  | 25   | 28 |    |
| Great Britain: spending trails off  | Apr  | 18   | 28  | Raw materials, fuels costs pose new peril to CPI earnings (charts)  |   | N    | Apr  | 4  | 17   | Fire Retardants   |      |      |    |    |
| Gulf Resources: Allen No company funds to persons involved in Watergate   | May  | 23   | 23  | R&D: Several programs will get the ax in the new budget   |   | N    | Apr  | 25 | 14   | Fires   |      |      |    |    |
| Hercules foresees another banner year, President Brown tells shareholders at company's annual meeting   | Mar  | 28   | 22  | R&D expenditures earmarked in the new budget  |   | N    | May  | 9  | 9  | Ashland Oil Canada's fire completely demolishes resins and chemical division operations   | May  | 23   | 21 |    |
| Hoechst '73 first-quarter sales   | N    | May  | 2   | 24  | R&D spending: More research, dollar may not buy more research — McGraw-Hill Economics Dept., survey (tables)                        |      | Feb  | 28 | 19   | BP Chemical International's ethylene plant at Baglan Bay fire, BP will be searching Europe for ethylene to supply downstream plants | N    | Feb  | 14 | 31 |
| Houston Oil's annual meeting reports on '73 first quarter, capital expenditures   | May  | 23   | 23  | R&D spending in '71 — NSF study   |   | N    | Jan  | 10 | 35   | Cherokee Nitrogen's ammonium nitrate warehouse at Pryor, Okla., fire and explosion  | N    | Jan  | 24 | 19 |
| Imoco-Gateway pulling out of chemicals  | May  | 9    | 10  | Research gets the word: If it doesn't fit — forget it — report, Donald P. Burke (chart)   |   | N    | Mar  | 21 | 19   | Cities Service's Levey Div. ink factory and warehouse in Chicago destroyed by fire and explosion                                    | June | 6    | 28 |    |
| ICI's '72 sales and earnings: '73 outlook   | Mar  | 14   | 30  | — letters   |   | N    | Feb  | 7  | 10   | FMC's persulfate plant at Tonawanda, N.Y., explosion and fire   | Mar  | 14   | 20 |    |
| Institutional Investor Conference smooth sailing in '73   | Mar  | 28   | 21  | Rohm & Haas: V. Gregory has changed solid but slow-moving chemical firm into growth-oriented pacesetter, but he faces problems in diversifying into fibers and health products (charts) |   | May  | 16   | 55 | Illinois processors face stricter controls as result of gas leak   | N   | Mar  | 28   | 25 |    |
| Interest rate hike will not have a major impact on '73 financing plans says chemical firms  | Jan  | 17   | 17  | Rohm & Haas: Gregory: "In our industry, we have best growth dynamics"   |   | May  | 16   | 32 | National Steel's Weirton, W. Va., new coke plant blast spotlights coke problems  | Apr   | 4    | 24   |    |    |
| Interest rate hikes won't hurt  | Apr  | 4    | 23  | St. Joe Minerals' '72 sales and earnings: '73 forecast  |   | N    | Jan  | 3  | 32   | OSHA issues 11 citations for job safety violations  | N    | Mar  | 28 | 17 |
| Investment in employee health and safety — first annual survey, McGraw-Hill Economics Dept.   | May  | 30   | 15  | Sales and earnings  |   | Feb  | 28   | 32 | Puerto Rican substitution fire causes complete shutdown of PPG's units   | N   | Jan  | 28   | 17 |    |
| Investor Responsibility Research Center, Inc.: When a big stockholder reads facts — Viewpoint   | Apr  | 4    | 5   | Fourth-quarter earnings: first reports underscore '72 pickup  |   | Mar  | 21   | 5  | Fires see also Explosions  |   |      |      |    |    |
| Japan: fiber makers will increase capital outlays in fiscal '73; chemical producers will boost total capital investment   | May  | 23   | 23  | Fourth-quarter and full-year '72: Three come on strong  |   | June | 20   | 32 | Cyanamid will make phosphine for use as a flame retardant  | May   | 16   | 24   |    |    |
| Japan: 15% yen revaluation would wipe out chemical trade surplus  | N    | Feb  | 28  | 23  | Fourth quarter '72: Chemical profitability is coming back in style (table)  |      | Jan  | 24 | 12   | Flammability charges from FTC against plastics could derail growth  | June | 6    | 26 |    |
| Japan launches global plant buildup — report (map & tables)   | June | 13   | 32  | Fourth quarter '72: Profits make a strong finish (table)  |   | Jan  | 17   | 20 | Urethane and styrene producers' agreement may set pattern for testing and terminology rules on other major resins  | June  | 20   | 10   |    |    |
| Japanese firms set fast worldwide sales and investment pace   | N    | Apr  | 4   | 41  | Fourth quarter '72: Specialty companies lead the way in profit gains (table)  |      | Jan  | 24 | 15   | Fuel additive to prevent fires after jet plane crashes showing promise  | N    | June | 13 | 43 |
| Kaiser's Maier at N.Y. security analyst meeting: predicts '73 profits will more than double last year's   | June | 20   | 13  | CPI earnings will rise 12% in '73, profit-calling effect minimal — McGraw-Hill survey (charts & tables)   |   | Jan  | 31   | 11 | Great Lakes Chemical purchases Swift's Bromnax line of flame retardants for flexible urethanes N May 9-33  | May   | 16   | 24   |    |    |
| Latin America: UCI's Joseph Jones says economic nationalism will increase through the '70s  | N    | Feb  | 14  | 31  | Chemical units pace '72 gains (table)   |      | Feb  | 7  | 13   | Intumescent paints are hot items in fire coatings   | May  | 23   | 41 |    |
| Leverage leasing: Best way to finance pollution control projects?   | Apr  | 18   | 37  | First quarter: Big first quarter for chemicals (table)  |   | Feb  | 14   | 25 | Stuffer discusses commitments to the flame-retardant market at its annual meeting  | Apr   | 25   | 18   |    |    |
| Louisiana: Delegation of top chemical management men convinces Louisiana's chief executive to retain tax incentives for business (charts)   | Feb  | 7    | 11  | First-quarter '73: Off to a solid start (table)   |   | Apr  | 11   | 17 | Flies: Site selection studies for the world's largest screw worm fly-rearing plant are under way   | N   | June | 20   | 22 |    |
| Louisiana: Selling the governor is half the job — Viewpoint   | Feb  | 7    | 5   | First-quarter '73: Paper, metals lead rally (table)   |   | Apr  | 25   | 17 | Flocculants — Sanyo increases capacity at Nagoya plant   | R   | Feb  | 14   | 34 |    |
| MCA's annual meeting: Slower growth in '74?   | June | 13   | 18  | First-quarter: Big gains for smaller companies (table)  |   | May  | 2    | 11 | Fluorine — Reed describes a new route for recovery of fluorine, released when processing phosphate rock, AICHE meeting   | June  | 13   | 41   |    |    |
| McGraw-Hill will begin publishing Security Week, newsletter   | R    | June | 27  | 15  | Sales and earnings for individual companies see under company name in Company Index   |      | May  | 16 | 22   | Fluorocarbons — Showa Denko plant at Kawasaki   | R    | May  | 2  | 23 |
| Money market: Strategy in '73 — spend more, borrow less (charts)  | May  | 23   | 17  | SEC issues new rules on what corporations must tell the agency about write-   |   |      |      |    |  | Fluorspar — Shortage shaping up   | N    | May  | 2  | 18 |
| Monsanto's forecast at N.Y. Soc. of Security Analysts: Hanley gives rosy report on second-quarter income  | June | 27   | 12  |   |   |      |      |    |  | Foam  |      |      |    |    |
| Multinationals talk their way out of trouble (chart & table)  | Mar  | 28   | 18  |   |   |      |      |    |  | Alfa-Laval's foam scrubber to clean stack   |      |      |    |    |
| Nader's Raiders attack government regulation of industry in a new book "The Monopoly Makers"  | N    | June | 6   | 21  |   |      |      |    |  |   |      |      |    |    |
| The new dollar: what it means to U.S. chemicals   |      | Feb  | 21  | 15  |   |      |      |    |  |   |      |      |    |    |
| N.Y. financial analysts hear from Airco, Ferro and Weyerhaeuser   |      | Feb  | 7   | 16  |   |      |      |    |  |   |      |      |    |    |
| '72 was a very profitable year indicate preliminary financial reports   |      | Jan  | 3   | 12  |   |      |      |    |  |   |      |      |    |    |
| Nixon's budget: less funding for environment, science, health   |      | Feb  | 7   | 14  |   |      |      |    |  |   |      |      |    |    |
| Northwest Industries will offer General Battery stockholders \$34/share   | N    | Mar  | 21  | 17  |   |      |      |    |  |   |      |      |    |    |
| Northwest Industries' Ben Heineman predicts bright picture for '73  |      | Feb  | 21  | 18  |   |      |      |    |  |   |      |      |    |    |
| Olin's Towey: Credits boost in special ties for company's chemical profit climb   |      | June | 13  | 18  |   |      |      |    |  |   |      |      |    |    |
| Operating results: some chemical process companies have included line-of-business operating information in their '72 annual reports   |      | Mar  | 21  | 22  |   |      |      |    |  |   |      |      |    |    |
| Outlook for '73   |      | Mar  | 28  | 22  |   |      |      |    |  |   |      |      |    |    |
| Outlook for '73: meetings of security analysts groups   |      | Feb  | 14  | 24  |   |      |      |    |  |   |      |      |    |    |
| Overseas sales and capital spending   |      | Mar  | 28  | 34  |   |      |      |    |  |   |      |      |    |    |
| PPG's '72 sales and earnings: '73 forecast Phase III  |      | Mar  | 14  | 16  |   |      |      |    |  |   |      |      |    |    |
| How will Phase III affect the industry?   |      | Jan  | 3   | 12  |   |      |      |    |  |   |      |      |    |    |
| Praise for Phase III  |      | Jan  | 17  | 20  |   |      |      |    |  |   |      |      |    |    |
| Why Phase III makes us nervous — Viewpoint  |      | Jan  | 24  | 5   |   |      |      |    |  |   |      |      |    |    |
| — letter  |      | Jan  | 31  | 3   |   |      |      |    |  |   |      |      |    |    |
| More freedom to manage (chart & table)  |      | Jan  | 24  | 10  |   |      |      |    |  |   |      |      |    |    |
| TLP agreements will remain in effect in Phase III   | R    | Feb  | 14  | 27  |   |      |      |    |  |   |      |      |    |    |
| President Nixon's 5.5% pay-raise limit: A floor or a ceiling?   |      | Mar  | 7   | 12  |   |      |      |    |  |   |      |      |    |    |
| Phase III controls will have a good deal of influence on pricing decisions for the near term (charts)   |      | Mar  | 14  | 24  |   |      |      |    |  |   |      |      |    |    |
| Congressional leaders are up in arms over the Administration's lax Phase III controls   |      | N    | Apr | 4   | 17  |      |      |    |  |   |      |      |    |    |
| Don't rule out tightening   |      | N    | Apr | 25  | 14  |      |      |    |  |   |      |      |    |    |
| Chemical producers will not be significantly affected by Nixon's edict slightly tightening the program  |      | N    | May | 9   | 9   |      |      |    |  |   |      |      |    |    |
| Philip Petroleum's '72 some gains, some losses: W. Douce at N.Y. security analysts meeting  |      | Feb  | 28  | 19  |   |      |      |    |  |   |      |      |    |    |
| Pollution control shapes up as a money-maker for some   |      | Jan  | 10  | 35  |   |      |      |    |  |   |      |      |    |    |
| Profit margin rules: no sweeping changes in the Administration's controls programs this year  |      | N    | Jan | 10  | 9   |      |      |    |  |   |      |      |    |    |
| Raw materials, fuels costs pose new peril to CPI earnings (charts)  |      | Mar  | 21  | 19  |   |      |      |    |  |   |      |      |    |    |
| R&D: Several programs will get the ax in the new budget   |      | N    | Jan | 10  | 9   |      |      |    |  |   |      |      |    |    |
| R&D expenditures earmarked in the new budget  |      | N    | Feb | 7   | 10  |      |      |    |  |   |      |      |    |    |
| R&D spending: More research, dollar may not buy more research — McGraw-Hill Economics Dept., survey (tables)  |      | May  | 16  | 55  |   |      |      |    |  |   |      |      |    |    |
| R&D spending in '71 — NSF study   |      | N    | Jan | 3   | 32  |      |      |    |  |   |      |      |    |    |
| Research gets the word: If it doesn't fit — forget it — report, Donald P. Burke (chart)   |      | Feb  | 28  | 32  |   |      |      |    |  |   |      |      |    |    |
| — letters   |      | Mar  | 21  | 5   |   |      |      |    |  |   |      |      |    |    |
| Rohm & Haas: V. Gregory has changed solid but slow-moving chemical firm into growth-oriented pacesetter, but he faces problems in diversifying into fibers and health products (charts) |      | June | 20  | 32  |   |      |      |    |  |   |      |      |    |    |
| Rohm & Haas: Gregory: "In our industry, we have best growth dynamics"   |      | Jan  | 24  | 12  |   |      |      |    |  |   |      |      |    |    |
| St. Joe Minerals' '72 sales and earnings: '73 forecast  |      | Mar  | 14  | 16  |   |      |      |    |  |   |      |      |    |    |
| Sales and earnings  |      | Jan  | 17  | 20  |   |      |      |    |  |   |      |      |    |    |
| Fourth-quarter earnings: first reports underscore '72 pickup  |      | Jan  | 17  | 20  |   |      |      |    |  |   |      |      |    |    |
| Fourth-quarter and full-year '72: Three come on strong  |      | Jan  | 24  | 15  |   |      |      |    |  |   |      |      |    |    |
| Fourth quarter '72: Chemical profitability is coming back in style (table)  |      | Jan  | 31  | 11  |   |      |      |    |  |   |      |      |    |    |
| Fourth quarter '72: Profits make a strong finish (table)  |      | Feb  | 7   | 13  |   |      |      |    |  |   |      |      |    |    |
| Fourth quarter '72: Specialty companies lead the way in profit gains (table)  |      | Feb  | 14  | 25  |   |      |      |    |  |   |      |      |    |    |
| CPI earnings will rise 12% in '73, profit-calling effect minimal — McGraw-Hill survey (charts & tables)   |      | Mar  | 14  | 14  |   |      |      |    |  |   |      |      |    |    |
| Chemical units pace '72 gains (table)   |      | Apr  | 11  | 17  |   |      |      |    |  |   |      |      |    |    |
| First quarter: Big first quarter for chemicals (table)  |      | Apr  | 25  | 17  |   |      |      |    |  |   |      |      |    |    |
| First-quarter '73: Off to a solid start (table)   |      | May  | 2   | 11  |   |      |      |    |  |   |      |      |    |    |
| First-quarter '73: Paper, metals lead rally (table)   |      | May  | 9   | 14  |   |      |      |    |  |   |      |      |    |    |
| First-quarter: Big gains for smaller companies (table)  |      | May  | 16  | 22  |   |      |      |    |  |   |      |      |    |    |
| Sales and earnings for individual companies see under company name in Company Index   |      |      |     |   |   |      |      |    |  |   |      |      |    |    |
| SEC issues new rules on what corporations must tell the agency about write-   |      |      |     |   |   |      |      |    |  |   |      |      |    |    |

|   |      |     |    |    |
|---|------|-----|----|----|
| gases   | N    | May | 23 | 39 |
| Control for odors, Sanilan  | Mar  | 14  | 42 |    |
| FTC charges, that the plastics industry widely misrepresented "nonburning" some products that it knew since '67 posed "serious fire hazards", could derail growth | June | 6   | 26 |    |
| General Tire's polyether-urethane foam patent still holds   | Jan  | 3   | 15 |    |
| Olmi's expansion in urethane chemicals and plastics   | June | 13  | 18 |    |

**Food**

|   |     |     |    |    |
|---|-----|-----|----|----|
| Chemical Week 300 — reports, Homer Starr (Tables) Feb 21-35, Apr 25-42          | May | 23  | 32 |    |
| Courtauld's test marketing, Kesp, a "synthetic spun meal" derived from soybeans | N   | May | 2  | 31 |
| FDA orders sweeping changes in food labeling                                    | Jan | 24  | 13 |    |

**Food Additives**

|   |     |      |    |    |
|---|-----|------|----|----|
| Delaney clause reprieve? Conference on the Scientific Basis for the Delaney Amendment says "nay"  | Jan | 24   | 16 |    |
| Dynapol testing the idea of tying additives into a polymer, forming a molecule too large to be absorbed in the intestines               | N   | June | 27 | 40 |
| FDA's ban on Violet No. 1 food color affects use of other dyes  | Apr | 25   | 52 |    |
| Hercules food additives stake boosted with acquisition of Polak Frutal Works and construction of CMC unit at Harbor Beach, Mich., plant | Feb | 28   | 19 |    |
| Liquor ingredients labeling rule could mean switch in additives   | May | 16   | 31 |    |
| Saccharin: FDA extends the interim food additive regulation   | N   | June | 13 | 14 |
| Sodium nitrate is under attack as a food preservative   | N   | Apr  | 18 | 18 |
| Sorbates are finished as preservatives in processed meats   | N   | Apr  | 11 | 14 |

**Food & Drug Administration**

|  |     |      |    |    |
|--|-----|------|----|----|
| Leading contenders for Commissioner C. Edwards' post   | Mar | 21   | 27 |    |
| Schmidt, Alexander will be new head  | N   | June | 6  | 22 |
| Weicker, Sen. would like to see the decisions of the FDA reviewed by outside panels of experts | Mar | 14   | 17 |    |
| FDA regulations, standards etc. see under specific products                                    |     |      |    |    |

**Fragrances**

|   |     |    |    |  |
|---|-----|----|----|--|
| British perfume maker tackles U.S. fragrance market | Mar | 28 | 40 |  |
| Candle fragrances must meet special criteria        | Jan | 24 | 33 |  |
| Musk chemicals have the sweet smell of success      | Feb | 21 | 49 |  |

**France**

|   |     |      |    |    |
|---|-----|------|----|----|
| Bayer's insecticide plant at Marle on-stream  | R   | May  | 2  | 23 |
| Chemical sales increased about 12% in '72   | N   | May  | 2  | 24 |
| Directors of two companies, charged with manslaughter in connection with the accidental deaths of 41 babies treated last year with talcum powder containing large amounts of hexachlorophene indicted | Jan | 3    | 12 |    |
| Elections over, chemical makers are breathing easier  | N   | Mar  | 14 | 33 |
| Ethylene unit at Feyzin, may boost capacity   | N   | May  | 16 | 27 |
| Foreign forecast: world chemicals head for brighter future — report, Albert H. Kislis (charts)  | Jan | 24   | 25 |    |
| LDPE capacity increase at CdF's Moselle plant   | R   | Apr  | 18 | 29 |
| Nuclear units bought from GE  | N   | June | 6  | 56 |
| Pechiney Ugine Kuhlmann expansion plans   | N   | Jan  | 24 | 31 |
| Petrochemical project considered by Du Pont   | N   | Jan  | 17 | 25 |
| Petroleum coke manufacturing plant near Bordeaux planned  | R   | Apr  | 4  | 29 |
| Soc. Nationale des Petroles d'Aquitaine starts up ethylmercaptan and diethyl sulfide plant  | R   | May  | 2  | 23 |
| Synthetic Textile Trade Assn. warns against premature fiber buildup   | N   | Apr  | 11 | 25 |

**Freight Rates**

|  |   |     |    |    |
|--|---|-----|----|----|
| Liquid chemicals shipment size limit set   | N | May | 30 | 37 |
| Nixon Administration's proposed changes in rate-making procedures of Northeast railroads will affect chemical shippers | N | Apr | 4  | 31 |
| Ocean shippers who pay in dollars will be charged 10% higher rates   | N | Feb | 28 | 29 |

**Fuel**

|  |     |     |    |    |
|--|-----|-----|----|----|
| Canada: utility power plants in Alberta will burn coal instead of gas  | N   | May | 2  | 31 |
| Cold chills supplies   | Jan | 17  | 16 |    |
| Congress pressures Nixon to take action on energy situation  | Apr | 18  | 14 |    |
| Costs: Higher power rates add to chemical producers' profit squeeze  | Jan | 10  | 17 |    |
| Curtailed natural gas deliveries are forcing production cutbacks, spurring a search for alternate fuel sources. Hardest hit product: ammonia | Feb | 28  | 45 |    |

|   |      |    |    |  |
|---|------|----|----|--|
| Emergency Petroleum Act of '73, authorizing the President to prepare a mandatory fuel allocation program, approved                                      | June | 13 | 19 |  |
| 'Gasohol' for Midwest?  | Apr  | 4  | 24 |  |
| Methanol: Vulcan-Cincinnati's Methyl Fuel: report on technique for burning methanol to generate electricity at the A.B. Paterson station of New Orleans | Mar  | 14 | 37 |  |
| Needed: national chemical policy — Viewpoint  | Apr  | 18 | 3  |  |

|   |     |     |    |    |
|---|-----|-----|----|----|
| Nixon's energy message: Big changes in store for chemicals?   | Apr | 25  | 18 |    |
| Nixon's energy message: CPI lauds fuel supply boost, sees handicap in import fees                                     | May | 2   | 9  |    |
| Texas A&M researchers experimenting with methyl alcohol as an imaginative way to ease the projected gasoline shortage | May | 23  | 18 |    |
| Fungicides — FDA quarantines Louisiana cattle with high hexachlorobenzene levels                                      | Apr | 25  | 21 |    |
| Furnaces — Paraho Development convinced its vertical kiln can be successfully adapted to process shale                | Apr | 18  | 33 |    |
| Furniture — PP structural foam frames for upholstered furniture from Hercules   | R   | Apr | 18 | 15 |

**G**

|   |     |     |    |    |
|---|-----|-----|----|----|
| Gallium Arsenide Phosphide — Mini-calculator sales growth will boost market for chemical components | Feb | 7   | 27 |    |
| Garbage — Power generation from garbage will be tested in two cities                                | N   | Mar | 7  | 43 |

**Gas**

|  |      |     |    |    |
|--|------|-----|----|----|
| Arco plans air-separation plant near Albany, N.Y.                                | N    | May | 30 | 37 |
| Air Products will build three plants to supply liquid oxygen, nitrogen and argon | N    | May | 30 | 37 |
| Algerian gas liquefaction unit at Skikda closed due to technical problems        | N    | May | 2  | 28 |
| Bethlehem Steel's process recovers carbon monoxide from fuel gas                 | Feb  | 21  | 41 |    |
| Cyanamid will make phosphine for use as a flame retardant                        | May  | 16  | 24 |    |
| Great Britain: gas strike may clobber Britain's chemical makers                  | N    | Feb | 21 | 37 |
| Industrial gas: Expanding merchant sales encourage industrial gas building boom  | June | 13  | 25 |    |
| Korean air-separation plant near Pangong   | R    | Feb | 7  | 36 |
| UC will build air-separation plant at East Chicago, Ind., complex                | R    | Apr | 11 | 19 |
| UC's air-separation plant in northern Texas                                      | R    | Feb | 28 | 19 |
| Gas see also <b>Natural Gas</b> and specific gas                                 |      |     |    |    |

**Gasification**

|  |     |     |    |    |
|--|-----|-----|----|----|
| Interior's pilot plant to demonstrate the feasibility of the Synthene coal gasification process developed by the USBM            | Feb | 14  | 66 |    |
| Northern Natural Gas and Cities Service Gas studying projected project for four coal gasification plants and a 700-mile pipeline | N   | Mar | 28 | 25 |
| OCR will fund two-year pilot plant operation at Battelle Memorial Inst.  | N   | Mar | 28 | 25 |
| Texas Eastern Transmission and Pacific Lighting plan coal gasification plant on a Navajo reservation near Farmington, N.M.       | Feb | 14  | 66 |    |

**Gasoline**

|  |     |      |    |    |
|--|-----|------|----|----|
| California rationing considered  | N   | Jan  | 3  | 8  |
| EPA plan calling for Calif. gasoline rationing raises questions about implementing the Clean Air Act of '70  | Jan | 24   | 11 |    |
| 'Gasohol' for Midwest?   | Apr | 4    | 24 |    |
| Japan probably will delay its ban on the sale of unleaded gasoline   | N   | June | 27 | 40 |
| Lead antiknock fluids prices   | N   | Mar  | 14 | 28 |
| Lead's antiknock market heads for new peak (chart)   | May | 30   | 10 |    |
| Lead-in-gasoline: Common Market countries may eliminate lead in gasoline by '80  | Mar | 14   | 39 |    |
| Lead in gasoline: EPA has finally issued part of its regulations   | Jan | 3    | 8  |    |
| Lead-in-gasoline rules will require use of catalytic converters for auto exhaust systems and will cut sales of tetraethyl lead and other lead alkyls | Jan | 10   | 16 |    |
| Morton says U.S. is in for a gasoline shortage this summer   | N   | May  | 9  | 20 |
| Octane down, output up   | May | 30   | 11 |    |
| Generators — Nuclear Power Products will make steam generator equipment for HTGR nuclear plant systems   | Jan | 17   | 35 |    |
| Georges, John — Du Pont's environmental director: For him, a stitch in time saves millions   | Feb | 14   | 84 |    |

**Germany**

|   |      |     |    |    |
|---|------|-----|----|----|
| ACHEMA preview: Early line on equipment to look for at '73 show | May  | 16  | 39 |    |
| Achema exhibition opens reflecting world problems               | June | 27  | 14 |    |
| Acrylic fiber plant at Lingen                                   | R    | Feb | 21 | 39 |
| BASF and Ludwigshafen to build water                            |      |     |    |    |

|   |     |      |    |    |
|---|-----|------|----|----|
| treatment plant   | R   | Jan  | 17 | 44 |
| BASF is embroiled in three-way court battle in Germany, Sweden, over construction of urethane plant     | N   | Mar  | 21 | 49 |
| BASF's capital spending plans for '73   | N   | Jan  | 24 | 32 |
| BASF's chemical workers to get wage hike of 10.6-10.8%, retroactive to Apr. 1                           | N   | May  | 30 | 49 |
| Bayer's chemical complex near Brunsbüttel scheduled to start this fall                                  | N   | Apr  | 25 | 27 |
| Biological purification plant for industrial and communal effluent                                      | R   | June | 6  | 35 |
| Chemical makers face higher wages and higher taxes  | N   | Mar  | 7  | 33 |
| Du Pont's filament units at Uentrop, West Germany   | N   | Apr  | 18 | 31 |
| East German chemical industry output up   | R   | Apr  | 18 | 29 |
| East Germany's Leuna Works starts up LDPE plant   | R   | Mar  | 7  | 20 |
| Ethylene and propylene plant started up   | R   | Feb  | 14 | 34 |
| Foreign forecast: World chemicals head for brighter future — report, Albert H. Kislis (charts)          | Jan | 24   | 25 |    |
| Gelsenberg olefins complex at Muenchsmuenster, West Germany, onstream                                   | R   | May  | 2  | 23 |
| GAV's mining tunnel directly under Huels complex causes damage, but Huels cannot sue either GAV or BASF | Feb | 21   | 38 |    |
| Hoechst's workers win a 9.9% wage boost   | N   | May  | 9  | 29 |
| Petrochemical project for Erden possible  | N   | June | 6  | 33 |
| R&G's West German subsidiary annual report  | R   | Jan  | 24 | 32 |
| Veba's refinery and petrochemical complex at Orsay approved   | R   | Apr  | 11 | 20 |
| West German chemical investment plans being reviewed  | N   | May  | 23 | 43 |
| West German chemical sales up   | N   | May  | 23 | 43 |
| West German chemical wages up   | N   | Apr  | 25 | 27 |
| West German Federal arbitrators will try to head off chemical strike                                    | N   | Apr  | 11 | 25 |
| West German methanol plant at Gelsenkirchen-Buer  | R   | Mar  | 14 | 31 |
| West German pharmaceutical sales increase   | N   | June | 13 | 39 |
| West German plastics production for '72   | R   | Jan  | 24 | 32 |

**Glass**

|  |     |     |    |    |
|--|-----|-----|----|----|
| Chemical Week 300 — reports, Homer Starr (Tables) Feb 21-34, Apr 25-36   | May | 23  | 32 |    |
| Container prices   | N   | Apr | 25 | 30 |
| Guardian Industries expanding Carleton, Mich., plant   | R   | Mar | 14 | 21 |
| Justice Dept. modifications of a 25-year-old consent decree, will ease antitrust restrictions imposed on three major glass producers | Jan | 17  | 17 |    |
| PPG expanding Ford City, Pa. fabrication plant   | R   | May | 16 | 25 |
| PPG selects Wichita Falls, Tex., site for float-glass plant Mar 14-16  | R   | May | 30 | 15 |
| Powder coatings for use on glass containers  | Apr | 11  | 33 |    |
| Record \$130-billion construction year gives CPI healthy lift (charts)   | Apr | 4   | 21 |    |

**Glass Fibers**

|   |      |     |    |    |
|---|------|-----|----|----|
| Asahi-PPG joint venture   | R    | Apr | 18 | 15 |
| Certain-Teed Products' new six glass-fiber plants                   | N    | Apr | 18 | 25 |
| Montedison's Vado Ligure plant, under a license from Johns-Manville | R    | Mar | 28 | 34 |
| PPG's Shelby, N.C., plant expansion                                 | R    | Feb | 27 | 15 |
| Reinforced plastics win big everywhere                              | June | 21  | 27 |    |

**Glycerin**

|   |     |      |    |    |
|---|-----|------|----|----|
| Outlook discussed at SDA convention   | Jan | 31   | 14 |    |
| Prices  | N   | Mar  | 21 | 31 |
| Glycine — Postemergence herbicide, glyphosate   | N   | Jan  | 17 | 35 |
| Glycol — UC may build a plant in Taiwan   | N   | June | 27 | 37 |
| Glycol — Glycol mystery: Where are the markets to support new capacity?                     | Jan | 24   | 21 |    |
| Gold — Price no object  | May | 30   | 13 |    |
| Goldby, Steven — Alza Pharmaceuticals' president: Chemist-lawyer takes new tack in drug R&D | May | 16   | 64 |    |

**Great Britain**

|  |     |      |    |    |
|--|-----|------|----|----|
| Acetic acid plant at Hull, Yorkshire, started up   | R   | Mar  | 14 | 31 |
| BP Chemicals International's chlorine plant at Beglan Bay, South Wales                         | R   | Jan  | 3  | 29 |
| Chemical industry comeback   | N   | May  | 23 | 45 |
| Chemical production: 6% boost in first nine months of '72 reported                             | N   | Jan  | 24 | 31 |
| Chemical workers asking for a 26% pay boost  | N   | Mar  | 28 | 32 |
| Accept moderate pay increases  | N   | June | 13 | 39 |
| Chinese industrial exhibition: strong bid for the China trade                                  | N   | Apr  | 4  | 41 |
| Courtauld's plans expansion of nylon, polyester and acrylic fiber units                        | R   | Feb  | 28 | 15 |
| Ethylene: Norsk Hydro may join ICI in building plant in England                                | N   | Jan  | 24 | 31 |
| Exports and imports, first-quarter in '73  | R   | Mar  | 28 | 34 |
| Fiber price increases are paving the way for major expansions                                  | N   | June | 20 | 20 |
| Foreign forecast: World chemicals head for brighter future — report, Albert H. Kislis (charts) | Jan | 24   | 25 |    |
| Government's pay-price freeze may  |     |      |    |    |



|  |     |     |    |    |
|--|-----|-----|----|----|
| benefit chemical firms .....   | N   | Feb | 7  | 31 |
| ICI expanding plant operations at Slough, Buckinghamshire .....  | R   | Apr | 18 | 29 |
| ICI faces tough labor demands .....  | N   | Mar | 21 | 47 |
| ICI's top-level labor-management committee will help shape major corporate decisions .....   |     | Mar | 7  | 19 |
| ICI's white-collar workers seek recognition of the Assn. of Scientific, Technical and Managerial Staffs as their negotiating agent ..... |     | Mar | 28 | 21 |
| ISC Chemicals' sulfuric acid plant at Avonmouth, Bristol .....   | R   | Feb | 14 | 34 |
| Perfume maker tackles U.S. fragrance market .....  | Mar | 28  | 40 |    |
| Phthalic anhydride plant at Hull, Yorkshire, being brought back into production .....  | R   | Apr | 4  | 29 |
| Potash mine at Boulby, Yorkshire, expects full production by '74 .....   | R   | Mar | 14 | 31 |
| Shell's polystyrene plant at Carrington .....  | R   | Jan | 3  | 29 |
| Spending trails off .....  | R   | Apr | 18 | 28 |
| VCM shortage .....   | N   | Jan | 17 | 23 |

**Greece**

|   |   |      |    |    |
|---|---|------|----|----|
| Esso Pappas' PVC capacity at Salonika plant expansion ..... | R | May  | 23 | 46 |
| LDPE: Franco-Greek syndicate plans plant at Corinth .....   | N | June | 13 | 39 |
| Vormix acrylic fiber plant .....                            | R | May  | 2  | 23 |
| Guadeloupe — French refinery project possible .....         | N | Apr  | 18 | 31 |

**Gypsum**

|   |     |     |    |    |
|---|-----|-----|----|----|
| Chemical Week 300 — reports. Homer Starr (tables) Feb 21-33, Apr 25-36 .....  | May | 23  | 32 |    |
| Cyanamid proposing two alternative processes for titanium dioxide plant at Savannah, Ga., that yield gypsum as recoverable by-product from sulfuric acid wastes ..... | Jan | 10  | 16 |    |
| Rigips Nederland to build gypsum board plant at Born .....  | R   | Feb | 7  | 36 |

**H**

|  |   |     |    |    |
|--|---|-----|----|----|
| Hanley, John — Monsanto's new president receiving minimum \$400,000/year ..... | R | Mar | 21 | 24 |
|--|---|-----|----|----|

**Health**

|  |      |     |    |    |
|--|------|-----|----|----|
| Gelb & Sons' employees shown a film on cancer during working hours .....                             | June | 27  | 14 |    |
| Investment in employee health and safety — first annual survey, McGraw-Hill Economics Dept. .....    | May  | 30  | 15 |    |
| Job-safety legislation see <b>Law</b> .....  |      |     |    |    |
| Kawacki Benlyco's Hazeltown, Pa., beryllium refining plant strike: health is an issue .....          | May  | 23  | 18 |    |
| Lead emitted from car engines a health hazard believe two doctors .....                              | N    | Mar | 14 | 40 |
| Lead exposure standard tightening recommended by NIOSH .....   | Jan  | 31  | 13 |    |
| OSHA see <b>Labor</b> .....  |      |     |    |    |
| Respiratory Disease Benefits Act introduced by Sen. Talt, Jr. .....                                  | Mar  | 14  | 19 |    |
| SOCMA's Kent says zero in on the few chemicals that pose "unreasonable risk" .....                   | N    | Mar | 21 | 17 |
| Staph outbreaks raise pressure for end of hexachlorophene ban .....                                  | Jan  | 31  | 14 |    |
| Thermoluminescent devices: new measure for radiation exposure .....                                  | June | 27  | 35 |    |
| Heat exchangers — Van Huisen device may help unlock geothermal energy reserves .....                 | Feb  | 7   | 45 |    |
| Heat Treatment — Flexible mating for heat treating field welds by exothermic chemical reaction ..... | Apr  | 4   | 51 |    |

**Heavy Water**

|  |     |     |    |    |
|--|-----|-----|----|----|
| Canada's plant will be fully operational later this year .....                                       | N   | Apr | 18 | 39 |
| New Zealand feasibility study on the use of geothermal steam for the production of heavy water ..... | N   | Apr | 4  | 41 |
| Hemwall, John — Inmont's v-p of corporate development: Mountain climber explores new ventures .....  | Feb | 7   | 48 |    |

**Herbicides**

|   |     |      |    |    |
|---|-----|------|----|----|
| Ansul will expand ANSAR organic arsenical herbicides production .....               | R   | May  | 16 | 25 |
| Broad-spectrum cotton herbicide: price boost is under fire .....                    | N   | Apr  | 11 | 14 |
| Nitrite ion: New method speeds screening of chemicals for herbicidal activity ..... | Mar | 14   | 37 |    |
| The phasing out of farm subsidies could spur ag chemical sales .....                | Feb | 28   | 16 |    |
| Postmerger herbicide, glyphosate .....  | N   | Jan  | 17 | 35 |
| Stauffer introduces Eradicane at its annual meeting .....                           | Apr | 25   | 18 |    |
| "Safened" herbicidal formulation will get a commercial test on corn .....           | N   | Apr  | 25 | 43 |
| 2,4,5-T: appeals court lifts injunction barring EPA action .....                    | May | 2    | 14 |    |
| 2,4,5-T: banning would cost rice farmers \$4.5 million/year in income .....         | N   | Apr  | 11 | 14 |
| Velsicol's Bayport, Tex., plant aims at early '74 startup .....                     | R   | Feb  | 14 | 27 |
| Velsicol and 3M will jointly test and market 3M's patented Sutar 2-S .....          | R   | June | 27 | 15 |
| Hexachlorobenzene — FDA quarantines Louisiana cattle with high HCB levels .....     | Apr | 25   | 21 |    |

**Hexachlorophene**

|   |     |     |    |    |
|---|-----|-----|----|----|
| Deodorant-soap: FDA panel raises safety questions about hexachlorophene substitutes .....   | N   | Feb | 14 | 18 |
| France indicts officers of two companies charged with manslaughter in connection with the accidental deaths of 41 babies treated last year with talcum powder containing large amounts of hexachlorophene ..... | Jan | 3   | 12 |    |
| Soapers take issue with FDA panel report on bacteriostat safety (table) .....   | Feb | 21  | 20 |    |
| Staph outbreaks raise pressure for end of hexachlorophene ban .....   | Jan | 31  | 14 |    |
| High-Energy-Fuel — Arosal process for producing jet fuel and low-aromatic solvents developed .....  | N   | May | 16 | 48 |
| Hobbies — Do-it-yourself help mold candle-making into year-round business .....   | Jan | 24  | 33 |    |
| Holography — RCA develops first holographic optical computer memory that performs full-cycle data processing operations .....   | Feb | 28  | 43 |    |
| Hungary — Petrochemical expansion .....   | N   | May | 30 | 47 |

**Hydrocarbons**

|  |     |      |    |    |
|--|-----|------|----|----|
| Nixon's energy message: Big changes in store for chemicals? .....  | Apr | 25   | 18 |    |
| Paraho Development's process for recovering various hydrocarbons from oil shale will be studied .....  | Mar | 7    | 43 |    |
| Paraho convinced its vertical kiln, used for calcining limestone, can be successfully adapted to process shale .....   | N   | Apr  | 11 | 28 |
| Vertical kiln process may end oil-from-shale bottleneck .....  | Apr | 18   | 33 |    |
| Hydrochloric Acid — Israel asks Allied to compensate the state for what it calls "heavy losses" sustained at the Arad chemical complex in the Negev desert ..... | Mar | 28   | 23 |    |
| Hydrochlorothiazide — Ciba-Geigy files suit against Zenith Labs. for infringement of its HCT patent .....  | R   | June | 20 | 16 |

**Hydrofluoric Acid**

|  |     |     |    |    |
|--|-----|-----|----|----|
| Marathon Oil's alkylation unit at Texas City, Tex., refinery ..... | R   | Mar | 7  | 16 |
| Swedish electrode provides more accurate picking control .....     | Jan | 24  | 37 |    |

**Hydrogen**

|  |   |     |    |    |
|--|---|-----|----|----|
| Maleic-based process for making tetrahydrofuran .....                      | N | Apr | 18 | 39 |
| UC will construct hydrogen distribution center near Greenville, S.C. ..... | R | May | 30 | 15 |

**Hydrogen Peroxide**

|   |   |     |    |    |
|---|---|-----|----|----|
| Israeli plant planned .....   | R | Apr | 18 | 29 |
| Liquid h-p, Polytex, will be marketed as a household laundry bleach ..... | N | Mar | 14 | 28 |
| Rumanian plant contracts .....  | R | Apr | 18 | 29 |

**Hydroquinone**

|   |   |      |    |    |
|---|---|------|----|----|
| Carus expanding capacity at LaSalle, Ill. plant .....                             | R | Mar  | 28 | 23 |
| Mitsui's plant at Iwakuni-Otake works .....                                       | R | June | 20 | 19 |
| Signal's plant at Bayport, Tex., shut down and sold to Big Three industries ..... | N | Feb  | 14 | 53 |

**Imports**

|  |      |      |    |    |
|--|------|------|----|----|
| ASP see <b>Tariffs</b> .....   |      |      |    |    |
| AFL-CIO leaders are stepping up their drive for stronger safeguards against imports .....                            | Mar  | 7    | 12 |    |
| and stronger hand in trade — Viewpoint .....   | Apr  | 18   | 3  |    |
| Balance of trade .....   |      |      |    |    |
| Big balance no trend — Commerce Dept. report .....   | June | 6    | 26 |    |
| Cheaper dollar boosts chemical trade balance — Commerce Dept. report (charts) .....                                  | May  | 2    | 19 |    |
| Chemical surplus up: Commerce Dept. figures (chart) .....  | Mar  | 7    | 13 |    |
| More chemical trade? Commerce Dept.'s Bureau of International Commerce report (chart) .....                          | Feb  | 7    | 14 |    |
| Trade balance declines — Commerce Dept. report (table) .....   | Apr  | 4    | 25 |    |
| Trade turnaround in June? .....  | N    | May  | 30 | 9  |
| Dumping: ahico or ceramic magnets from Japan not being sold in the U.S. at less than fair value rules Treasury ..... | Jan  | 3    | 8  |    |
| Dumping: Canadian kraft paper sales in the U.S. have not injured domestic producers rules Tariff Comm. .....         | N    | Jan  | 3  | 8  |
| Dumping: Canadian producers accused of dumping aluminum ingots .....   | Feb  | 28   | 18 |    |
| Dumping: Canadian sulfur dumping probe extended .....  | R    | Feb  | 14 | 27 |
| Dumping decision could set a precedent .....   | N    | Mar  | 14 | 12 |
| Canadian sulfur being sold in U.S. for less than fair value says Treasury .....                                      | N    | May  | 2  | 18 |
| Dumping: Japanese chloroprene rubber dumping will be investigated by Treasury Dept. .....                            | N    | June | 20 | 22 |
| Dumping: Japanese exporters of synthetic methionine concede they had been dumping the product in U.S. .....          | N    | May  | 2  | 18 |
| Dumping: Japanese polychloroprene .....  |      |      |    |    |

|   |      |      |    |    |
|---|------|------|----|----|
| dumping will be investigated .....  | N    | Jan  | 3  | 8  |
| East-West trade .....   |      |      |    |    |
| Brezhnev's visit: Catalyst for chemical trade? .....  | June | 13   | 15 |    |
| China: Beker Industries makes first sale of fertilizer by a U.S. company .....  | Apr  | 11   | 17 |    |
| China trade discussed at SDA convention .....   | Jan  | 31   | 14 |    |
| First U.S. chemical shipment leaves Houston for China .....   | Jan  | 31   | 15 |    |
| National Council of U.S.-China trade to be held May 31 in Wash. .....   | May  | 30   | 14 |    |
| Oxy signs fertilizer deal with Russians .....   | N    | Apr  | 18 | 9  |
| Minor snag over financing procedures .....  | May  | 23   | 24 |    |
| Oxy-USSR agreement: metal finishing equipment for Soviet nickel .....   | R    | Jan  | 3  | 16 |
| USSR deal that could bring 1 billion cu.-ft./day of natural gas to the U.S. .....   | May  | 30   | 14 |    |
| U.S.-China trade could reach \$400 million in '73 says J. Sobin .....   | N    | May  | 30 | 9  |
| U.S. officials expect a healthy chemical trade with China .....   | N    | Mar  | 7  | 10 |
| European Common Market adds economic muscle with entry of U.K., Denmark and Ireland (map & chart) .....                             | Jan  | 3    | 26 |    |
| Fiber pressure easing (chart) .....   | Feb  | 28   | 14 |    |
| Imports ease up — Commerce Dept. report .....   | Mar  | 21   | 20 |    |
| French chemical trade balance improves .....  | N    | May  | 2  | 24 |
| Great Britain's '73 first-quarter .....   | R    | Mar  | 28 | 34 |
| Industry input to guide U.S. trade negotiators is No. 1 topic of session of chemical industry executives with Dent and Eberle ..... | N    | June | 20 | 9  |
| Japan: 15% yen revaluation would wipe out chemical trade surplus .....  | N    | Feb  | 28 | 23 |
| Japanese know-how imports up .....  | Jan  | 17   | 43 |    |
| Japan's surplus grows .....   | Mar  | 14   | 21 |    |
| Man-made fiber imports drop .....   | N    | Apr  | 18 | 25 |
| Michelin's radial tires made in Canada: US Treasury imposes countervailing duties .....   | N    | Jan  | 17 | 17 |
| Oil quotes .....  |      |      |    |    |
| Are two tiers better than one? .....  | Mar  | 28   | 20 |    |
| Feedstock allocations possible .....  | June | 20   | 16 |    |
| Feedstocks and fuel: petrochemical makers' big problem areas .....  | Jan  | 31   | 13 |    |
| Interior Dept.'s proposal for an import-export bonus allocation for petrochemical companies .....                                   | Apr  | 4    | 24 |    |
| New energy policy is a bad bargain — Viewpoint .....  | May  | 9    | 5  |    |
| New oil import program will encourage refinery construction in the U.S. .....   | N    | Apr  | 11 | 14 |
| Nixon's energy message: Big changes in store for chemicals? .....   | Apr  | 25   | 18 |    |
| Nixon's proclamation gives OIAB broad powers to grant "exceptional hardship" allocations .....                                      | Apr  | 4    | 24 |    |
| Petrochemical feedstock quotas authorized under oil import rules .....  | N    | Jan  | 3  | 19 |
| Reins off until April .....   | Jan  | 24   | 13 |    |
| Petrochemicals: Interior's COG would modify import-for-export program .....   | N    | Feb  | 14 | 18 |
| Taiwan plans to increase purchases of a wide range of products from U.S. firms .....  | Apr  | 11   | 17 |    |
| Tire and tube imports outdistance exports (table) .....   | Feb  | 14   | 22 |    |
| Trade bill see <b>Tariffs</b> .....   |      |      |    |    |
| Trade policy: Congress in no mood to give Nixon blank check on trade .....  | Jan  | 24   | 14 |    |
| Trade Reform Act of '73: They're marshaling for GATT fight .....  | Apr  | 18   | 10 |    |
| West German pharmaceutical sales increase .....   | June | 13   | 39 |    |
| What new Congressional and Cabinet lineup means to the CPI .....  | Jan  | 10   | 15 |    |
| Incinerators — MCA report — "Plastics Waste Disposal Practices in Landfill, Incineration, Pyrolysis and Recycle" .....              | Feb  | 28   | 51 |    |

**India**

|  |     |      |    |    |
|--|-----|------|----|----|
| Acrylic fiber plant from Japan .....   | R   | Mar  | 7  | 20 |
| Caustic soda plant at Nagda onstream .....                                       | R   | Jan  | 10 | 46 |
| Dharamsi Moraji drops plans to build a diammonium phosphate plant at Nhava ..... | R   | Jan  | 10 | 46 |
| Dimethyl terephthalate plant at Gujarat .....                                    | R   | May  | 30 | 47 |
| Fertilizer plans .....   | Feb | 7    | 36 |    |
| Fertilizer supply problems .....   | N   | Jan  | 10 | 48 |
| Nylon plant planned .....  | R   | Jan  | 17 | 44 |
| Nylon tire cord plant at Manali .....  | R   | June | 20 | 19 |
| Shortages of several key chemicals loom .....                                    | N   | Jan  | 24 | 19 |
| Soda ash expansion at Mithapur .....   | R   | Jan  | 10 | 46 |
| Soda caustic: Standard Mills boosts capacity .....                               | R   | June | 6  | 35 |
| Titanium oxide expansion in Kerala .....   | R   | Feb  | 7  | 36 |
| Urea from Japan .....  | R   | Feb  | 21 | 39 |

**Indonesia**

|  |     |      |    |    |
|--|-----|------|----|----|
| Hoechst's finishing plant near Djakarta started up R May 23-46 .....                                     | R   | June | 6  | 35 |
| PP plant onstream .....  | R   | June | 20 | 19 |
| PVC plant at Cilincing planned .....   | R   | Jan  | 10 | 46 |
| Industrial Water & Pollution Control Conference & Exposition (1st): Counting complex cleanup costs ..... | Mar | 28   | 41 |    |

**Industry Development**

|   |     |   |    |  |
|---|-----|---|----|--|
| Acquisitions and mergers: for newsletter and roundup items see under individual company names in <b>Company Index</b> ..... |     |   |    |  |
| Area development see <b>Area Development</b> .....  |     |   |    |  |
| Israel pushes chemical buildup .....  | May | 9 | 27 |  |
| Japan launches global plant buildup .....   |     |   |    |  |

|  |        |    |    |
|--|--------|----|----|
| report (map & tables) .....  | June   | 13 | 32 |
| Mergers: Common Market setting up a marriage bureau for companies that want to merge .....   | N May  | 2  | 24 |
| Mergers: Gimm & Co. reports .....  | Jan    | 17 | 19 |
| Activity during '72 .....  | Feb    | 21 | 13 |
| Activity will accelerate in CPI this year .....  | N Feb  | 11 | 20 |
| Chemical mergers down .....  | Apr    | 11 | 20 |
| Mergers & acquisitions .....   |        |    |    |
| Columbia Cellulose up for sale again; tentative agreement to sell some operations to Weyerhaeuser falls through .....                          | Feb    | 21 | 18 |
| Celanese still formulating specific proposal regarding disposition of CCC .....  | Mar    | 28 | 22 |
| Celanese will sell ColCel to B.C. provincial government (79%) and the subsidiary's minority holders (21%) .....                                | Apr    | 11 | 19 |
| Du Pont-Christiana Securities merger under scrutiny .....  | Feb    | 14 | 26 |
| Filtrol acquires PPG's Columbia Cement Div. .....  | June   | 27 | 11 |
| Foot Mineral receives merger proposal from Newmont Mining .....  | Mar    | 7  | 15 |
| Proposed merger canceled .....   | R May  | 16 | 25 |
| Gulf Resources buys the remaining 49% interest in Great Salt Lake Minerals from its partner Kali und Salz .....                                | May    | 16 | 24 |
| More details .....   | May    | 23 | 23 |
| Hexcel's acquisition of Fine Organics; another step in diversification .....   | Feb    | 28 | 18 |
| IMC increases its stake in Sobin Chemicals in a deal that Sobin hopes will provide a "launching pad" for further growth .....                  | June   | 27 | 13 |
| Philbrick will recommend that shareholders accept joint bid by subsidiaries Cities Service and Phillips Petroleum .....                        | May    | 16 | 22 |
| Reichhold to acquire Tenneco Chemicals Newport Div. R May 30-15 .....  | June   | 6  | 25 |
| Royal Dutch/Shell negotiating with Unie Van Kunstsmestfabrieken to sell as much as 75% of its U.K. fertilizer subsidiary Shellstar .....       | Mar    | 7  | 20 |
| Spain: U.S. chemical interests being re-shuffled .....   | Mar    | 21 | 49 |
| UC acquires 100% ownership of Bakelite Xylonite by buying out Distillers Co. .....   | June   | 6  | 27 |
| Nader's Raiders attack government regulation of industry in new book "The Monopoly Makers" .....   | N June | 6  | 21 |
| Specialties: Think small to make it big in specialty chemicals — report, Charles H. Kline (chart & tables) .....                               | Jan    | 17 | 17 |
| U.S. chemical industry is alive and improving .....  | Jan    | 31 | 3  |
| Vietnam starts the long journey back .....   | Feb    | 7  | 34 |
| <b>Inks</b> .....  |        |    |    |
| American Can turning to ultraviolet-cured inks .....   | N Mar  | 14 | 39 |
| Chemical Week 300 — reports, Homer Starr (tables) Feb 21-31, Apr 25-35 .....   | May    | 23 | 32 |
| Cities Service's Levey Div. ink factory and warehouse in Chicago destroyed by explosion and fire .....   | June   | 6  | 28 |
| Life magazine's demise won't hurt producers of printing chemicals .....  | Jan    | 3  | 35 |
| Special dispersion inks for thermal printing .....   | Feb    | 28 | 47 |
| <b>Inland Waterways</b> .....  |        |    |    |
| National Water Commission calls for user charges sufficient to cover operation and maintenance costs of keeping U.S. waterways navigable ..... | June   | 20 | 11 |
| National Water Comm.'s report running into strong opposition from many waterway-using industries .....   | June   | 27 | 13 |
| Shortages of equipment and of qualified tow operators hampering waterway movement .....  | N Jan  | 3  | 19 |
| Trinity River canal bond issue defeated by Texas voters .....  | N Mar  | 21 | 18 |
| <b>Insecticides</b> .....  |        |    |    |
| Aerial application of a biologic insecticide against the gypsy moth has been approved .....  | N Apr  | 11 | 28 |
| DDT see DDT .....  |        |    |    |
| France: Bayer plant at Maris onstream .....  | R May  | 2  | 23 |
| Monitor & banned by EPA .....  | N Mar  | 14 | 23 |
| Pesticides .....   |        |    |    |
| Administration has second thoughts on reimbursing pesticide makers for losses suffered as a result of regulatory changes .....                 | N Mar  | 7  | 10 |
| Argentina and Bolivia state oil agencies will build pesticides plant in Oruro, Bolivia .....   | R May  | 30 | 47 |
| Bumper year for ag chemicals .....   | Jan    | 31 | 12 |
| California's Dept. of Agriculture tightens its pesticides permit system .....  | R Feb  | 28 | 19 |
| Chevron Chemical charged with shipping misbranded pesticides .....   | Mar    | 7  | 9  |
| EPA emergency standards covering farm workers see Labor — OSHA .....   |        |    |    |
| GAO recommends EPA pesticide policy shift .....  | May    | 9  | 16 |
| Government continues pesticide, dis-   |        |    |    |

|  |        |    |    |
|--|--------|----|----|
| infectant labeling crackdown .....   | Jan    | 17 | 19 |
| Montedison granted loan to finance research program in antiparasitic pesticides .....  | R May  | 2  | 23 |
| Mosquitoes: NAS report finds pesticide development not keeping pace with increasing resistance to the products .....   | June   | 20 | 14 |
| The phasing out of farm subsidies could spur ag chemical sales .....   | Feb    | 28 | 16 |
| States consider new environment restrictions on CFI (table) .....  | Mar    | 14 | 17 |
| Institutional Investor Conference sees smooth sailing in '73 .....   | Mar    | 28 | 21 |
| <b>Instruments</b> .....   |        |    |    |
| Lab computers do it faster .....   | May    | 9  | 36 |
| Pneumatic instruments, Quick-Scan 1400, making debut .....   | N Apr  | 18 | 39 |
| Insulation — Alcoa develops low-cost route to high-temperature alumina fiber .....   | Feb    | 14 | 65 |
| Insurance — Missouri court rules Monsanto has been engaging illegally in the insurance business by offering a company-paid medical and disability benefits plan to employees ..... | N Feb  | 28 | 13 |
| Intermediates — Alpha-naphthylamine and derivatives production will be discontinued by Du Pont .....   | N May  | 23 | 31 |
| Du Pont will continue production .....   | N May  | 30 | 37 |
| International Auto Show — Alternatives to piston engine spotlighted .....  | Apr    | 18 | 13 |
| International Institute of Synthetic Rubber Producers — Powdered rubber wins praise .....  | May    | 23 | 25 |
| International Isocyanate Institute — New industry group; will meet to develop a program for promoting isocyanates .....  | Mar    | 21 | 23 |
| International Purchasing Conference: High cost of energy .....   | May    | 16 | 21 |
| Inventories — Low-level inventories; Hedge against a downturn? (chart) .....   | June   | 6  | 24 |
| Investor Responsibility Research Center, Inc. When a big stockholder needs facts — Viewpoint .....   | Apr    | 4  | 5  |
| Ion Exchange — Swedish electrode provides more accurate pickling control .....   | Jan    | 24 | 37 |
| <b>Iran</b> .....  |        |    |    |
| Abadan Petrochemical contracts Lummus for PVC capacity expansion .....   | R Feb  | 21 | 39 |
| Japanese-Iranian joint venture complex near Abadan, Iran .....   | N Jan  | 3  | 25 |
| Shah's demand for full control of oil production and other facilities when agreements with oil producers expire in '79, could mean higher feedstock prices and fuel costs .....    | N Feb  | 7  | 31 |
| Iran: Ray — Oil's Chemicals Group v-p R&D: His research is directed to bottom line .....   | May    | 30 | 52 |
| <b>Iraq</b> .....  |        |    |    |
| Ethylene plant at Basrah approved .....  | R Mar  | 14 | 31 |
| Petrochemical complex at Basrah approved .....   | R Mar  | 14 | 31 |
| <b>Ireland</b> .....   |        |    |    |
| Courtaulds plans integrated fiber and textile complex at Campsie .....   | R May  | 2  | 23 |
| Courtaulds plans polyester fiber complex at Letterkenny, Donegal .....   | Mar    | 21 | 47 |
| Du Pont's European project — sites under consideration include Northern Ireland and the Irish Republic .....   | N Jan  | 24 | 31 |
| Du Pont expanding Orion acrylic fiber facilities at Maydown works .....  | R June | 13 | 21 |
| Manganese dioxide plant to be built by Mitsui .....  | N Apr  | 4  | 41 |
| Nitric acid plant at Arklow .....  | R May  | 9  | 28 |
| U.S. pharmaceutical makers plan projects .....   | N Jan  | 17 | 25 |
| Iron — Shortage shaping up .....   | N May  | 2  | 18 |
| <b>Isocyanates</b> .....   |        |    |    |
| Bayer may drop plans for a plant in Australia .....  | N Feb  | 21 | 37 |
| International Isocyanate Institute, new industry group, will meet to develop a program for promoting isocyanates .....   | Mar    | 21 | 23 |
| Monsanto researcher Uniland reports infrared spectra studies detect isocyanates on the surface of noble metal catalysts .....  | N Feb  | 14 | 68 |
| <b>Israel</b> .....  |        |    |    |
| Alied asked to compensate the state for what it calls "heavy losses" sustained at the Arad chemical complex in the Negev desert .....  | Mar    | 28 | 23 |
| Chemical buildup pushed .....  | May    | 9  | 27 |
| Hydrogen peroxide and sodium perborate plant planned .....   | R Apr  | 18 | 29 |
| Methanol plant starts up .....   | R Feb  | 21 | 39 |
| Plant near BeerSheva to produce pesticides, intermediates and pharmaceutical raw materials planned .....   | R Mar  | 21 | 50 |
| <b>Italy</b> .....   |        |    |    |
| Acrylonitrile plant at Gela, Sicily .....  | R Apr  | 11 | 20 |
| ANIC boosting capital spending .....   | N Feb  | 21 | 37 |
| Antibiotics plant at Anagni .....  | R Jan  | 10 | 46 |
| Foreign forecast: World chemicals head for brighter future — report, Albert H. Kline (charts) .....  | Jan    | 24 | 25 |
| Industrial pollution in Venice area draws  |        |    |    |

|   |       |    |    |
|---|-------|----|----|
| strict safety measures .....  | Jan   | 17 | 21 |
| Molecular-sieves unit near Reggio Calabria to be built by Unigil .....  | R Mar | 21 | 24 |
| Montedison expanding sulfonic acid pelletizing plant at Folonica .....  | R Mar | 14 | 31 |
| Nitric acid plant planned by Friedrich Uhde .....                       | R May | 2  | 23 |
| Perchloroethylene plant at Porto Marghera at full capacity .....        | R Apr | 4  | 29 |
| Petroleum-derived protein plant at Sardo, Sardinia .....                | R Mar | 7  | 20 |
| SIR projects in Sardinia, Sicily and southern Italy .....               | May   | 30 | 48 |
| SIR's SBR plant at Porto Torres, Sardinia, onstream .....               | R May | 2  | 23 |
| Sodium triphosphosphate plant at Porto Torres, Sardinia, onstream ..... | R Apr | 4  | 29 |
| Styrene plant at Mantua .....   | R Jan | 10 | 46 |

## J

|   |      |          |     |    |
|---|------|----------|-----|----|
| Japan   |      |          |     |    |
| Aluminum makers delegation to survey light-grade bauxite reserves in the Amazon basin   | N    | Apr      | 4   | 41 |
| Ban on unleaded gasoline sales will probably be delayed   | N    | June     | 27  | 40 |
| Cartels: Japan acts against fiber cartel  | Jan  | 3        | 29  |    |
| Chemical producers will boost total capital investment  | May  | 23       | 23  |    |
| Chemical trade surplus grows  | Mar  | 14       | 21  |    |
| Chemical wages up   | N    | Apr      | 25  | 27 |
| Chisso Corp.'s record mercury pollution damage penalty assessed   | N    | Mar      | 28  | 32 |
| Employees of 109 major chemical companies negotiate a 20% raise, averaging \$59/month, effective immediately  | R    | June     | 20  | 19 |
| Enrichment Survey Committee shows interest in plant that would give the Japanese access to European uranium enrichment technology if they will share capital costs of new enrichment capacity | N    | Mar      | 28  | 25 |
| Epichlorohydrin to be produced by Hercules and Nippon Zeon joint venture  | R    | Apr      | 4   | 29 |
| Ethoxylate plant and linear alcohol unit, using UC technology planned   | R    | Mar      | 28  | 34 |
| Ethylene demand will be catching up with supply in the next few years   | N    | Mar      | 7   | 33 |
| Ethylene unit at Tomakomai, Hokkaido, site considered   | R    | Feb      | 21  | 39 |
| Fatty acid ester plant planned  | R    | Feb      | 7   | 36 |
| Fertilizer producers persuade China to pay more   | N    | May      | 23  | 31 |
| Fiber makers will increase capital outlays in fiscal '73  | May  | 23       | 23  |    |
| 15% yen revaluation would wipe out chemical trade surplus   | N    | Feb      | 28  | 23 |
| Firms set fast worldwide sales and investment pace  | N    | Apr      | 4   | 41 |
| Foreign forecast: World chemicals head for brighter future — report, Albert H. Kline (charts)   | Jan  | 24       | 25  |    |
| Gas centrifuge to separate uranium isotopes   | N    | Jan      | 24  | 39 |
| H-M Plastics suit by Justice Dept. may cause Japanese to change their game plan for entering the U.S. market  | N    | June     | 13  | 13 |
| Hot-melt adhesives plant in Tokyo   | R    | Mar      | 21  | 50 |
| Hydroquinone plant  | R    | June     | 20  | 19 |
| Iranian-Japanese joint venture complex near Abadan, Iran  | N    | Jan      | 3   | 25 |
| Japan launches global plant buildup — report (map & tables)   | June | 13       | 32  |    |
| Japanese rounds up  | R    | May      | 2   | 23 |
| Know-how imports up   | Jan  | 17       | 43  |    |
| Kyowa Gas Chemical considering commercial production of DAMN  | R    | Jan      | 3   | 29 |
| Nitric acid plant at Sumitomo's Nihama complex completed  | R    | June     | 6   | 35 |
| Nylon capacity expanding  | N    | Mar      | 14  | 33 |
| Nylon-12 monomer laurylactam plant  | R    | Apr 4-29 | May | 2  |
| Para-xylene unit and ortho-xylene plant at Teijin's Matsuyama complex   | R    | Feb      | 21  | 39 |
| Petrochemical building in Eastern Hemisphere will be dominated by Japan   | N    | June     | 20  | 20 |
| Phenol and acetone plant near Osaka to start up   | N    | Jan      | 31  | 19 |
| Plant sales to China  | N    | May      | 2   | 24 |
| Power companies say they want to burn naphtha as fuel only for short periods  | N    | Mar      | 7   | 33 |
| Protein manufacturing projects and licensing technology pushed  | Jan  | 31       | 22  |    |
| R&D spending increased  | Jan  | 17       | 43  |    |
| Russia-Japan to discuss nuclear power development   | N    | May      | 16  | 27 |
| Synthetic fibers demand   | N    | May      | 23  | 43 |
| Synthetic fiber production dropped 4% last year   | N    | Feb      | 7   | 31 |
| Synthetic protein plants postponed  | R    | Mar      | 7   | 20 |
| U.S.-Japanese uranium enrichment plant may be built   | N    | May      | 16  | 27 |
| Japan Chemical Fibers Assn. — Nylon capacity expanding  | N    | Mar      | 14  | 33 |

## K

|   |     |    |    |
|---|-----|----|----|
| Kampen, Emerson — Great Lake Chemical's president: Long shot comes home for him ..... | Feb | 28 | 56 |
| Kantor, Simon — GAF's corporate v-p: Bridge master seeks top score in research .....  | Mar | 21 | 64 |

|   |      |      |    |   |  |      |      |   |  |  |      |      |    |    |  |
|---|------|------|----|---|--|------|------|---|--|--|------|------|----|----|--|
| Georgia makes another try for an alumina-kaolin pilot plant   | Mar  | 7    | 15 | monomers and polyethyleneimine polymers   | N  | May  | 30   | 37  | Carter-Wallace's meprobamate: Supreme Court is asked to define the scope of meprobamate patent   | May  | 2    | 13   |    |    |  |
| Kirkpatrick, Sydney — Farewell to Mr. Chemical Engineer   | Mar  | 7    | 16 | Carcinogen chemicals: Rules too tough or not tough enough?  | June   | 13   | 45   |   | Ciba-Geigy files suit against Zenith Labs. alleging infringement of its hydrochlorothiazide patent   | R  | June | 20   | 16 |    |  |
| <b>Korea</b>  |      |      |    | OSHA: much done, much to be done — Viewpoint  | June   | 13   | 5    |   | Coastal restrictions block petrochemical and power projects (map)  | May  | 30   | 45   |    |    |  |
| Air-separation plant for Hyundai  | R    | Feb  | 7  | 36  | When the safety sleuth comes to call — report, Anthony J. Piombino   | June | 6    | 41  | Congress pressures Nixon to take action on energy situation  | Apr  | 18   | 14   |    |    |  |
| Petrochemical buildup   | Jan  | 10   | 45 | PPG bargains to boost productivity; union at Barberon agrees to discuss easing of work rules                | Jan  | 3    | 36   |   | Corco-PPG suit over oil costs in joint olefins plant in Puerto Rico  | Jan  | 31   | 14   |    |    |  |
| South Korea starts new round of chemical building   | June | 27   | 39 | Petroleum industry  |  |      |      |   | Anatomy of a lawsuit   | Feb  | 7    | 15   |    |    |  |
| <b>Kuwait</b>   |      |      |    | Amoco Oil and OCAW oil settlement costly  | Jan  | 10   | 17   |   | Penates plant will be back in production   | R  | May  | 23   | 24 |    |  |
| Desalination plant contract awarded   | R    | May  | 9  | 28  | OCAW steps up pressure against some major oil producers  | Jan  | 17   | 21  | Cosmetics: Eagleton bill wants premarket safety tests for cosmetic products, and ingredient labeling on cosmetic products  | Mar  | 21   | 24   |    |    |  |
| Fertilizer Corp. of India negotiating for collaboration in building ammonium phosphate plant in the Persian Gulf                                  | N    | Jan  | 10 | 48  | OCAW steps up pressure against Shell and Standard of Calif.  | Feb  | 7    | 17  | DOT: Clarksdale, Miss., court says EPA's Ruckelshaus did not need to file an environmental impact statement prior to his decision to ban DDT                     | R  | Jan  | 10   | 18 |    |  |
| Fertilizer sold to China  | R    | Jan  | 17 | 44  | Sun Oil's Marcus Hook, Pa. refinery strike   | Mar  | 28   | 20  | Delaney clause revived? Conference on the Scientific Basis for the Delaney Amendment says "nay"  | Jan  | 24   | 16   |    |    |  |
| Petrochemical complex planned   | R    | Apr  | 25 | 27  | Shell's Denver plant: How much is strike hurting Shell?  | May  | 9    | 16  | Deodorants and antiperspirants: FTC orders eight manufacturers to document ad claims   | June   | 6    | 26   |    |    |  |
| <b>L</b>  |      |      |    |   | Shell-OCAW tentative agreement signed  | N    | May  | 23  | Detergents see <b>Detergents</b>   |  |      |      |    |    |  |
| <b>Labeling</b>   |      |      |    |   | Sun Oil's strike talks continue  | May  | 23   | 20  | Drug regulation: FDA powers affirmed by 1st Supreme Court decisions  | June   | 27   | 15   |    |    |  |
| Cosmetics: FDA proposes that cosmetic ingredients be listed on each package   | Feb  | 14   | 26 | Shell's Houston refinery four-month strike settled  | May  | 30   | 15   | Dyemakers: Justice Dept. subpoenas at least a dozen major dyemakers to appear before a Newark, N.J., grand jury looking into alleged price fixing   | N  | Feb  | 14   | 17   |    |    |  |
| Eagleton bill calls for ingredient labeling on cosmetic products  | Mar  | 21   | 24 | Shell operating at almost full strength following ratification of plant strike                              | June   | 13   | 21   | Producers receive subpoenas   | Feb  | 21   | 18   |      |    |    |  |
| Food: FDA orders sweeping changes in labeling   | Jan  | 24   | 13 | Phase III: President Nixon's 5.5% pay-rise limit: A floor or a ceiling?                                     | Mar  | 7    | 12   | Ecology laws get test: case involving ICI and a group of ecologists, may set new limits on the use of the environmental impact statement; law banning discharging of industrial wastes into navigable waterways without a federal permit from the Army Corps of Engineers | Jan  | 3  | 14   |      |    |    |  |
| FDA proposes that aerosols carry a label warning against inhaling the contents  | R    | Mar  | 21 | 24  | Railroad industry agreement negotiated   | Mar  | 21   | 27  | 1899 Refuse Act: High Court overturns decision restricting enforcement against PICCO   | N  | May  | 23   | 16 |    |  |
| FDA proposes that labels on containers of household aerosol products containing fluorocarbon propellants include warnings against inhaling vapors | R    | May  | 16 | 25  | Respiratory Disease Benefits Act introduced by Sen. Taft, Jr.  | Mar  | 14   | 19  | El Paso divestiture of Pacific Northwest Pipeline upheld by Supreme Court  | N  | Mar  | 14   | 23 |    |  |
| Liquor ingredients labeling rule could mean switch in additives   | May  | 16   | 31 | Rubber: International union leaders are mapping strategy against rubber giants                              | N  | Apr  | 4    | 41  | Emergency Petroleum Act of '73, authorizing the President to prepare a mandatory fuel allocation program, approved   | June   | 13   | 19   |    |    |  |
| Pesticides: Government continues pesticides, disinfectant labeling crackdown  | Jan  | 17   | 19 | Rubber contract outlook: peace can be had at a stiff price  | Mar  | 14   | 18   | Environment see also <b>Environment</b>   |  |  |      |      |    |    |  |
| Labeling, detergents see <b>Detergents</b>  |      |      |    | Strikes   |  |      |      |   | EEOC lawsuits alleging job discrimination filed against several chemical process companies   | May  | 9    | 15   |    |    |  |
| Labeling, drugs see <b>Drugs</b>  |      |      |    | Firestone and URW strike settled  | June   | 27   | 14   | France indict officers of two companies charged with manslaughter in connection with the accidental deaths of 41 babies treated last year with talcum powder containing large amounts of hexachlorophene  | Jan  | 3  | 12   |      |    |    |  |
| Labeling, law see <b>Law</b>  |      |      |    | Goodrich: Strike unlikely   | Apr  | 18   | 15   | General Tire agrees to pay \$10,000 civil penalty stemming from Transportation Dept. charge that some of the company's tires failed to meet '66 safety standards  | R  | June   | 20   | 16   |    |    |  |
| <b>Labor</b>  |      |      |    | URW strikes seven plants  | May  | 16   | 21   | General Tire awarded \$3.33 million in patent-infringement suit against Firestone   | R  | Feb  | 14   | 27   |    |    |  |
| AFL-CIO leaders are stepping up their drive for stronger safeguards against imports   | Mar  | 7    | 12 | New contract with URW   | June   | 6    | 29   | General Tire's polyether-urethane foam patent still holds   | Jan  | 3  | 15   |      |    |    |  |
| Air pollution see <b>Air Pollution</b>  |      |      |    | Contract includes provision for an increase in pension benefits   | June   | 13   | 21   | Hartke-Burke bill: World Trade Institute summarizes: Organized labor boosts bill, scores multinationalists  | May  | 23   | 19   |      |    |    |  |
| Allied's decision to bargain on a multi-plant basis with USW has vital implications for chemical management                                       | N    | May  | 16 | 17  | Goodyear strike unlikely   | Apr  | 18   | 15  | Hartke-Burke-type legislation would cripple overseas operations, multinational corporations tell N.J.'s Congressional delegation                                 | N  | Apr  | 4    | 17 |    |  |
| Multiplant pact could pave way to company-wide bargaining   | June | 20   | 14 | Goodyear and URW reach tentative three-year agreement   | N  | May  | 2    | 8   | Helium: Interior Dept. trying again to cancel government helium supply contracts with three U.S. producers   | Feb  | 14   | 28   |    |    |  |
| American Enka and TWU agree on a 2-year contract  | R    | June | 20 | 16  | Great Britain: gas strike may clobber Britain's chemical makers  | N    | Feb  | 21  | 37   | Illinois processors face stricter controls as result of gas leak   | Apr  | 4    | 24 |    |  |
| BASF's chemical workers to get wage hike of 10.6-10.8%, retroactive to Apr. 1   | N    | May  | 30 | 49  | Heroules' Hopewell, Va. plant strike   | R    | May  | 23  | 20   | Jackson, Sen. bill to provide more money for non-nuclear energy research gaining support in the Senate   | Mar  | 28   | 25 |    |  |
| EEOC lawsuits alleging job discrimination filed against several chemical process companies  | May  | 9    | 15 | ICI Australia's Botany complex strike causes some shortages   | N  | Mar  | 21   | 47  | Lead-in-gasoline controversy see <b>Gasoline</b>   |  |      |      |    |    |  |
| Ethyl Corp.: EEOC and United Paper-makers International Union suing for alleged sex discrimination at Oxford, Me., paper plant                    | R    | May  | 16 | 25  | ICI's Esterhazy, Sask., potash mine and mill strike ends   | R    | Feb  | 21  | 21   | Missouri court rules Monsanto has been engaging illegally in the insurance business by offering a company-paid medical and disability benefits plan to employees | N    | Feb  | 28 | 13 |  |
| Firestone's E. Johnson, head of new Employee Assistance Program, helps solve problems that affect job performance                                 | Mar  | 28   | 42 | Kawco's Barylic's Hazleton, Pa., beryllium refining plant: Health is a strike issue                         | May  | 23   | 18   | Helium: Interior Dept. trying again to cancel government helium supply contracts with three U.S. producers  | Feb  | 14   | 28   |      |    |    |  |
| Forecast '73: Recovery gains speed — report, Donald P. Burke (charts)   | Jan  | 10   | 25 | Missouri mines strikes cut lead supply  | Apr  | 11   | 18   | Illinois processors face stricter controls as result of gas leak  | Apr  | 4  | 24   |      |    |    |  |
| German chemical makers face higher wages  | N    | Mar  | 7  | 33  | Amex Lead's walkout ended  | R    | Apr  | 25  | 21   | Jackson, Sen. bill to provide more money for non-nuclear energy research gaining support in the Senate   | Mar  | 28   | 25 |    |  |
| Germany: workers at Hoechst win a 9.9% wage boost   | May  | 9    | 29 | Penn Central strike: crisis averted   | N  | Feb  | 14   | 17  | Lead-in-gasoline controversy see <b>Gasoline</b>   |  |      |      |    |    |  |
| Great Britain: government's pay-price freeze may benefit chemical firms   | N    | Feb  | 7  | 31  | West Germany: Federal arbitrators try to head off chemical strike  | N    | Apr  | 11  | 25   | Missouri court rules Monsanto has been engaging illegally in the insurance business by offering a company-paid medical and disability benefits plan to employees | N    | Feb  | 28 | 13 |  |
| Great Britain: ICI white-collar workers seek recognition of the Assn. of Scientific, Technical and Managerial Staffs as their negotiating agent   | Mar  | 28   | 21 | Thermoluminescent devices: new measure for radiation exposure   | June   | 27   | 35   | Helium: Interior Dept. trying again to cancel government helium supply contracts with three U.S. producers  | Feb  | 14   | 28   |      |    |    |  |
| Great Britain's chemical workers asking for a 28% pay boost   | N    | Mar  | 28 | 32  | West German chemical wages up  | N    | Apr  | 25  | 27   | Illinois processors face stricter controls as result of gas leak   | Apr  | 4    | 24 |    |  |
| Accept moderate pay increases   | N    | June | 13 | 39  | World Trade Institute symposium: Organized labor boosts Hartke-Burke, scores multinationalists   | May  | 23   | 19  | Jackson, Sen. bill to provide more money for non-nuclear energy research gaining support in the Senate   | Mar  | 28   | 25   |    |    |  |
| ICI faces tough labor demands   | N    | Mar  | 21 | 47  | Laboratories — Low-cost computers hooked up to analytical instruments automate tests from sample processing to final results                               | May  | 9    | 36  | Lead-in-gasoline controversy see <b>Gasoline</b>   |  |      |      |    |    |  |
| ICI's top-level labor-management committee will help shape major corporate decisions  | Mar  | 7    | 19 | Latin America — UC's Joseph Jones says economic nationalism will increase in Latin America through the '70s | N  | Feb  | 14   | 31  | Missouri court rules Monsanto has been engaging illegally in the insurance business by offering a company-paid medical and disability benefits plan to employees | N  | Feb  | 28   | 13 |    |  |
| ICIWU pitches for Du Pont plants  | R    | May  | 23 | 20  | Laurylactam — Japanese nylon-12 monomer laurylactam joint venture R Apr 4-29   | R    | May  | 2   | 23   | Nader's Raiders attack government regulation of industry, in a new book "The Monopoly Makers"  | N    | June | 6  | 21 |  |
| Japan chemical wages up   | N    | Apr  | 25 | 27  | Law  |      |      |   | Helium: Interior Dept. trying again to cancel government helium supply contracts with three U.S. producers   | Feb  | 14   | 28   |    |    |  |
| Japanese employees of 109 major chemical companies negotiate a 20% raise, averaging \$50/month, effective immediately                             | R    | June | 20 | 19  | Abbott's intravenous fluid lawsuit: company and executives indicted on 60 counts of marketing contaminated solution in '72                                 | N    | June | 6   | 36   | Illinois processors face stricter controls as result of gas leak   | Apr  | 4    | 24 |    |  |
| Multinationals take their way out of trouble (chart & table)  | Mar  | 28   | 18 | Air Products' Middlesex County, N.J., zoning ban challenged   | June   | 27   | 12   | Jackson, Sen. bill to provide more money for non-nuclear energy research gaining support in the Senate  | Mar  | 28   | 25   |      |    |    |  |
| Multinationals' respite   | Mar  | 7    | 12 | Air Products' suit in Florida against United Gas Pipeline to limit price increases                          | Jan  | 10   | 17   | Lead-in-gasoline controversy see <b>Gasoline</b>  |  |  |      |      |    |    |  |
| NIOSH recommends tightening of lead exposure standard   | Jan  | 31   | 13 | Alaskan pipeline: another snag  | Feb  | 21   | 21   | Missouri court rules Monsanto has been engaging illegally in the insurance business by offering a company-paid medical and disability benefits plan to employees  | N  | Feb  | 28   | 13   |    |    |  |
| <b>OSHA</b>   |      |      |    |   | Administration will appeal court decision barring construction and sponsor legislation to permit the enlarged rights-of-way prohibited by court            | N    | Mar  | 7   | 10   | Nader's Raiders attack government regulation of industry, in a new book "The Monopoly Makers"  | N    | June | 6  | 21 |  |
| Carcinogenic chemicals: OCAW, Nader group press for emergency measures  | Feb  | 7    | 41 | Set-back by Supreme Court   | Apr  | 11   | 18   | New Jersey bill would give the state's EPA veto powers over proposed coastal projects   | May  | 2  | 14   |      |    |    |  |
| OSHA readying temporary standards   | N    | Apr  | 25 | 43  | American Cyanamid faces suit brought by environmental group to prevent disposal of acid wastes from Warners, N.J. plant                                    | May  | 2    | 14  | Nuclear power: Closing of 20 plants is the aim of environmentalists led by R. Nader and the Friends of the Earth   | N  | June | 6    | 55 |    |  |
| OSHA issues work practice standards for 14 carcinogens  | N    | May  | 9  | 9   | Amphetamines: Are combination amphetamines "new drugs"? FDA challenging a temporary order restraining their recall   | N    | May  | 9   | 20   | OSHA see <b>Labor</b>  |      |      |    |    |  |
| EPA loses first round in battle over setting standards covering return of farm workers to fields that have been sprayed with pesticides           | N    | May  | 9  | 20  | Antitrap bill: Muskie bill would give EPA sweeping authority over solid-waste disposal and could create serious problems for makers of packaging materials | Jan  | 24   | 13  | Antitrust see <b>Antitrust</b>   |  |      |      |    |    |  |
| Alpha-naphthylamine and derivatives production may be discontinued  | N    | May  | 23 | 31  | Armco Steel settles air pollution suit in Houston  | R    | June | 6   | 29   | Piermont, N.Y., suing Federal Paper Board and Continental Can for refusal to pay local tax for '72-73  | Feb  | 28   | 16 |    |  |
| Dow stops production of ethylenimine  | N    | May  | 30 | 37  | BASF is embroiled in three-way court battle in Germany, Sweden, over construction of urethane plant  | Mar  | 21   | 49  | Plastics: FTC charges of flammability could derail growth  | June   | 6    | 26   |    |    |  |
|   |      |      |    |   | Canadian chlor-alkali producers lose court actions on mercury dumping charges  | Apr  | 11   | 34  | Urethane and styrene producers' agreement may set pattern for testing and terminology rules on other major resins  | June   | 20   | 10   |    |    |  |



(N Newsletter, R Roundup.)

(N Newsletter, R Roundup.)

New Zealand — Feasibility study on the use of geothermal steam for the production of heavy water ..... N Apr 4 41  
 Nicaragua — U.S. chemical companies send aid to stricken Nicaragua ..... Jan 17 18

**Nickel**  
 Outlook bright; Inco outlines hopes for new markets ..... Jan 3 13  
 Republic Steel's extraction process will permit use of new ores and will improve recovery ..... N Mar 21 42

**Nigeria**  
 Fertilizer complex at Kaduna ..... May 2 23  
 Seeking partners for petrochemical projects ..... N Apr 11 25

**Nitric Acid**  
 Italy: Friedrich Uhde plans plant ..... R May 2 23  
 Japanese plant at Sumitomo's Nihama complex completed ..... R June 6 35  
 Nitrogen oxides emission limits' easing proposed ..... Apr 25 20  
 Swedish electrode provides more accurate picking control ..... Jan 24 37  
 Nitrite ion — New method speeds screening of chemicals for herbicidal activity ..... Mar 14 37

**Nitrogen**  
 Air Products plans plants R Feb 14-27 ..... N May 30 37  
 Brazil: Arco's air-separation plant near Sao Paulo ..... R Apr 25 21  
 FI reports use up ..... N Feb 7 23  
 Gas sales spark a building boom ..... June 13 25  
 Indian fertilizer plants ..... Feb 7 36  
 Liquid nitrogen prices ..... N Feb 28 29  
 Prices ..... N Jan 10 23

Nitrogen Dioxide see **Air Pollution**  
 Nixon, Alan — New president of ACS; seeks broader job opportunities for chemists ..... Jan 10 15  
 Nonyphenol — Borg-Warner's plant at Morgantown, W. Va. ..... R Apr 18 15

**Norway**  
 Pipeline from the Ekofisk oil field in the North Sea to Teesside, England, and Emden, West Germany, approved ..... N May 9 29  
 Feeds may be used in West German petrochemical complex ..... N June 6 33  
 Process mixes stack gases with sea water to produce a sulfate that can be disposed of in the sea ..... Apr 18 35

**Nylon**  
 American Enka will expand its nylon filament carpet yarn capacity ..... R Jan 3 16  
 Du Pont expanding Nomex capacity at Richmond, Va. ..... N May 30 37  
 Europe's synthetic fibers: from glut to shortage ..... May 16 29  
 Indian plant planned ..... R Jan 17 44  
 Japanese capacity expanding ..... N Mar 14 33  
 PNW nylon Type XOS tailored for wet-laid nonwovens and specialty papers ..... N May 2 32  
 Prices ..... N June 13 23  
 Shipments up — Textile Economics Bureau report ..... Apr 11 20  
 Skyfab I: Plastic shield ready to help cool off Skyfab ..... May 30 15  
 Nylon-6 — Firestone will increase resin capacity at Hopewell, Va. ..... R Mar 7 16  
 Nylon-12 — Japanese nylon-12 monomer laurylactam joint venture R Apr 4-29 ..... R May 2 23

## O

**Odor Control**  
 Control for odors, Sanilan ..... Mar 14 42  
 UC's new measurement technique speeds odor study, pinpoints potential control problems (table) ..... Mar 14 35  
 Oil shale see **Shale Oil**

**Oil & Fats**  
 Soybean oil prices ..... N Mar 14 27  
 Stauffer launches an egg substitute called Triel ..... N June 20 22

**Olefins**  
 Canada's SOAP project: Dow drops out, Du Pont and Polymer must now decide whether they want to proceed ..... N May 30 9  
 SOAP project isn't dead ..... N May 30 9  
 Corco-PPG's Penueles, Puerto Rico project: suit over oil costs ..... Jan 31 14  
 Anatomy of a lawsuit ..... Feb 7 15  
 Penueles plant will be back in production ..... R May 23 24  
 Du Pont boosting Tyvek capacity at Richmond, Va. ..... N May 30 37  
 Getzenberg complex at Muenchsmuenster, West Germany, onstream ..... R May 2 23  
 Molecular-sieve process permits drying and desulfurization of olefin-bearing LPG streams, simultaneously ..... N Mar 21 41  
 Puerto Rico Olefins complex at Ponce shut down ..... N May 2 7  
 Power failures continue to plague complex at Ponce ..... N June 27 9

**Organic Chemicals**  
 Cordova Chemical expanding line organic

chemicals capacity at Sacramento, Calif. ..... R Apr 18 15  
 Output continuing to climb — U.S. Tariff Comm. report ..... N Apr 18 25  
 Prices ..... N Mar 14 27  
 Superconductivity: Will new organics leave metals out in the cold? ..... Apr 11 30  
 Organophosphates — Monitor 4 banned by EPA ..... N Mar 14 23  
 Orgotein — Anti-inflammatory drug for treatment of humans ..... N Feb 7 39  
 Orthodontics — Clear polycarbonate brackets catch on as replacement for metal bands in orthodontics ..... Mar 7 47  
 Orho-xylylene — Japanese plant at Teijin's Matsuyama complex ..... R Feb 21 39

**Oxidation**  
 Amoco will commercialize its butane oxidation route to maleic anhydride at Joliet, Ill., complex ..... N May 9 33  
 Sohio's propylene-to-acrylic process wins first U.S. assignment ..... Jan 24 37

**Oxygen**  
 Air Products plans plants R Feb 14-27 ..... N May 30 37  
 Brazil: Arco's air-separation plant near Sao Paulo ..... R Apr 25 21  
 FMC purchases the Marox process from Martin Marietta ..... N Feb 14 68  
 Gas sales spark a building boom ..... June 13 25  
 Liquid oxygen prices ..... N Feb 28 29

## P

**Packaging**  
 Chemical Week 300 — reports, Homer Starr (tables) Feb 21-31, Apr 25-39 ..... May 23 32  
 DCAT looks at '73 ..... Jan 24 13  
 FDA warns containers supposedly filled with Pure-Pac epsom salt, may actually contain potassium nitrate ..... June 20 15  
 Japanese joint venture, Crown Zellerbach, sells 50% interest to Danippon Ink ..... R May 2 15  
 National Packaging Exposition: New resins, new processes take spotlight at show ..... May 16 20  
 Oral dosage drugs must be dispensed in child-resistant safety packages by Apr. 16, '74 ..... R Apr 25 21  
 Poison Prevention Packaging Act '70: Child-resistant packages cause headaches for specialties makers (tables) ..... Mar 21 55  
 — Correction ..... Apr 4 35  
 — letter ..... Apr 25 5

**Paint**  
 Chemical Week 300 — reports, Homer Starr (tables) Feb 21-31, Apr 25-39 ..... May 23 32  
 Grow Chemical patents new method of making powder coatings ..... N June 20 31  
 Grow-LENSIP additive system may combat lead poisoning in children ..... N Jan 24 39  
 ICI expanding operations at Slough, Buckinghamshire ..... R Apr 18 29  
 ICI licensed two Japanese makers to produce nonaqueous dispersion auto paints ..... R Apr 4 29  
 Intumescent paints are hot items in flame-retardant coatings ..... May 23 41  
 PPG's Oak Creek, Wis., and Milwaukee plants expansion ..... Apr 28 18  
 Permco Corp.'s premixed surfactant system, Banash, kills mildew on interior and exterior surfaces ..... Jan 3 35  
 Record \$130-billion construction year gives CPI healthy lift (charts) ..... Apr 4 21  
 Singapore joint venture plant ..... R Jan 17 14

**Paper**  
 Canadian kraft paper sales in the U.S. have not injured domestic producers rules Tariff Comm. ..... N Jan 3 8  
 Chemical Week 300 — reports, Homer Starr (tables) Feb 21-31, Apr 25-39 ..... May 23 32  
 Columbia Cellulose up for sale again; tentative agreement to sell some operations to Weyerhaeuser falls through ..... Feb 21 18  
 Celanese will sell CoCel to B.C. provincial government (78%) and the subsidiary's minority holders (21%) ..... Apr 11 19  
 Lacquer-coated and silicone-treated papers for thermal printing ..... Feb 28 47  
 Life magazine's demise won't hurt producers of printing chemicals ..... Jan 3 35  
 "Marketing Guide to the Paper and Pulp Industry" — Charles Kline & Co. ..... Apr 25 17  
 Mead building paperboard mill near Stevenson, Ala. ..... R June 6 29  
 NBS study shows paper deterioration is partly independent of fiber quality ..... N June 20 31  
 Owens-Illinois building corrugated shipping box plant at Mt. Olive, Ill. ..... R May 2 15  
 PNW nylon Type XOS tailored for wet-laid nonwovens and specialty paper ..... N May 2 32  
 Potlatch Forests acquires Marcal's paper mill and tissue-converting operation in Orange, Calif. ..... R Jan 10 18  
 Producers considering sulfur-free oxygen processes as an alternative to kraft process ..... Mar 14 21  
 Recycling: study of the '70-'85 outlook for recycling by the Midwest Research

Institute ..... Mar 21 23  
 Para-Tolunitrile — Lummus TPA process: How new process for making TPA reduces capital, operating costs ..... Apr 11 27

**Para-Xylene**  
 Japanese unit at Teijin's Matsuyama complex ..... R Feb 21 39  
 Lummus TPA process: How new process for making TPA reduces capital, operating costs ..... Apr 11 27  
 Toray Industries plant at Kawasaki starts up ..... R May 2 23

**Patents**  
 Carter-Wallace's meprobamate: Supreme Court is asked to define the scope of meprobamate patent ..... May 2 13  
 Ciba-Geigy files suit against Zenith Labs. alleging infringement of its hydrochlorothiazide patent ..... R June 20 16  
 General Tire awarded \$3.33 million in patent-infringement suit against Firestone ..... R Feb 14 27  
 General Tire's polyether-urethane foam patent still holds ..... Jan 3 15  
 IRO, William Schuyler, former Patent Office chief, heads group to protect patents ..... Mar 7 14  
 Polypropylene patent case: Montedison is the winner ..... N Feb 14 68  
 Polypropylene's patent tilt threatens growth (chart & table) ..... Apr 11 15

**Perchloroethylene**  
 Italian plant at Porto Marghera at full capacity ..... R Apr 4 29  
 Prices ..... N June 13 23

**Perfumes**  
 British maker tackles U.S. fragrance market ..... Mar 28 40  
 Musk: Japanese process for making macrocyclic musk ..... N Jan 3 31  
 Musk chemicals have the sweet smell of success ..... Feb 21 49  
 Permanent Waving — New hair styles boost specialty chemicals for permanent waves ..... June 6 71  
 Peroxide — Organic peroxide prices ..... N May 9 25  
 Persulfate — FMC's unit at Tonawanda, N.Y., plant explosion and fire ..... Mar 14 20  
 Cause pinpointed ..... N Mar 28 25  
 Pesticides see **Insecticides**

**Petrochemicals**  
 Australia: Dow and Mitsubishi considering South Australia site for petrochemical complex ..... N Apr 11 25  
 Australia: Lone Star Exploration will undertake a feasibility study for petrochemical complex at Broken Hill ..... N June 13 39  
 Benzene see **Benzene**  
 Brazil achieves self-sufficiency in aromatics and some plastics, but locally made products are more expensive than imports (table) ..... Mar 14 29  
 Chinese government's controller rules that the Ministry of Economy's takeover of Dow operations at Concepcion last Oct. was illegal ..... Jan 10 45  
 China will get big complex from France ..... N May 23 40  
 Coastal restrictions block petrochemical and power projects (map) ..... May 30 45  
 Corco-PPG's Penueles, Puerto Rico project: suit over oil costs ..... Jan 31 14  
 Anatomy of a lawsuit ..... Feb 7 15  
 Penueles plant will be back in production ..... R May 23 24  
 Fatty acids see **Fatty Acids**  
 Feedstock allocations possible ..... June 20 16  
 Feedstock quotas authorized under oil import rules ..... N Jan 3 19  
 '73 stocks: AICHE New Orleans meeting discusses feedstock, energy problems ..... Mar 21 45  
 Feedstocks: National Petroleum Refiners Assn.'s meeting — Getting a better handle on '80 feedstock costs ..... Apr 11 26  
 Feedstocks: Rohm & Haas acrylate monomer plant site will be determined by availability of feedstocks ..... N May 2 7  
 Feedstocks and fuel: petrochemical makers' big problem areas ..... Jan 31 13  
 French project considered by Du Pont ..... N Jan 17 25  
 Futures for chemicals? — ICI's Tholen revives his proposal ..... Apr 18 13  
 Geoproy project for Emden, possible ..... N June 6 33  
 Hungarian expansions ..... R May 30 47  
 Interior's OOG would modify import-export program ..... R Feb 14 18  
 Iraq's ethylene plant and petrochemical complex at Basrah approved ..... R Mar 14 31  
 Japan will dominate Eastern Hemisphere petrochemical building ..... N June 20 20  
 Korea build up ..... Jan 10 45  
 Korea: South Korea starts new round of chemical building ..... June 27 39  
 Kuwait's complex planned ..... N Apr 25 27  
 Makers will lobby for a "fair shake" in energy policies ..... N Jan 3 7  
 Mexico touts a petrochemical Garden of Eden (map) ..... Mar 28 33  
 Nigeria seeking partners for new projects ..... N Apr 11 25  
 Nixon's energy message: Big changes in store for chemicals? ..... Apr 25 18  
 Nixon's energy message: CPI lauds fuel



|   |        |    |    |   |        |    |    |   |        |    |    |
|---|--------|----|----|---|--------|----|----|---|--------|----|----|
| supply boost, sees handicap in import fee   | May    | 2  | 9  | covery operations in Florida sold to Soc. des Participations Gardiner   | Feb    | 7  | 9  | consideration include Northern Ireland and Irish Republic   | Jan    | 24 | 31 |
| Oil companies boost chemical outlays in Europe, but back in U.S. (chart)  | Mar    | 14 | 18 | Detergent phosphates see <b>Detergents</b>  | Feb    | 7  | 23 | Du Pont looking for a titanium dioxide plant site in Europe   | Feb    | 28 | 23 |
| Oil import quotas see <b>Imports</b>  |        |    |    | IMC acquires rights to phosphate reserves in Fla. N May 23-31   | May    | 30 | 15 | Fuel Desulfurization: Colonel's Island, near Brunswick, Ga., possible site for heavy-fuel desulfurization refinery  | May    | 23 | 19 |
| Puerto Rico Olefins complex at Ponce shut down  | May    | 2  | 7  | IMC lines up six big customers for fertilizer plant to be built near Bartow, Fla. N   | May    | 2  | 27 | New Jersey bill would give the state's EPA veto powers over proposed coastal projects   | May    | 2  | 14 |
| Power failures continue to plague complex at Ponce  | N June | 27 | 9  | PPG's phosphate rock holdings are for sale  | N May  | 30 | 9  | North Sea ethylene complex will be built in England or Norway   | N May  | 9  | 29 |
| Saudi Arabian-Japanese petrochemical complex studied  | N Apr  | 11 | 25 | Phosphate rock shortages will continue  | N May  | 16 | 33 | Rohm and Haas acrylate monomer plant site will be determined by availability of feedstocks  | N May  | 2  | 7  |
| Shell plans huge plant at Norco, La. refinery   | N Apr  | 4  | 17 | Prices  | N Mar  | 21 | 31 | Plants — Dow's Midland, Mich., complex: Landscape plan is aimed at transforming 'Fortress Dow'  | Feb    | 21 | 45 |
| Sweden's KemaNord will increase output at Stenungsund complex   | N Apr  | 7  | 20 | Reed describes a new route for recovery of fluorine released when processing phosphate rock at AICHE meeting                                    | June   | 13 | 41 | <b>Plastic Film</b>   |        |    |    |
| UC's Puerto Rico plant sets pollution control pace  | Apr    | 25 | 47 | Seaboard Coast Line's Rockport, Fla., phosphate rock loading terminal shut down by collapse of a huge loading boom                              | June   | 20 | 15 | Du Pont's Mylar polyester film plant in Luxembourg to be expanded   | N Jan  | 17 | 25 |
| U.S. petrochemical industry survey sees healthy growth in the '70s  | N June | 13 | 13 | Swift agreement with IMC to purchase phosphate materials  | Feb    | 21 | 21 | Polyester: Eastman Kodak's polyester film base unit in Windsor, Colo.   | R Feb  | 14 | 27 |
| Venezuelan El Tiabazo complex's first section opened  | Jan    | 17 | 43 | Phosphine — Cyanamid will make phosphine for use as a flame retardant   | May    | 16 | 24 | Polyester film prices   | N May  | 2  | 32 |
| West Germany's Veba refinery and petrochemical complex at Orsoy approved  | R Apr  | 11 | 20 | Phosphite — Organic phosphite capacity at Borg-Warner's Morgantown, W.Va., boost  | R Apr  | 18 | 15 | Polyester film will debut in Japan  | N Apr  | 25 | 43 |
| <b>Petroleum</b>  |        |    |    | N-(phosphonomethyl) Glycine — Post-emergence herbicide, glyphosate  | N Jan  | 17 | 35 | PE: Consolidated Thermoplastics doubling capacity at Chippewa Falls, Wis., plant  | R Feb  | 14 | 27 |
| Administration's new energy policies are working says C. Dibon  | May    | 23 | 15 | <b>Phosphoric Acid</b>  |        |    |    | PP: Hercules expanding capacity at Terre Haute, Ind.  | R May  | 16 | 25 |
| Alaskan pipeline, another snag  | Feb    | 21 | 21 | Buildup: producers ponder process choices   | Jan    | 3  | 33 | Skiab 1: Plastic shield ready to help cool off Skiab  | May    | 30 | 15 |
| Administration will appeal court decision barring construction and sponsor legislation to permit the enlarged rights-of-way prohibited by court                                 | Mar    | 7  | 10 | Canary Islands plant, three Spanish firms vying for government permission   | May    | 9  | 27 | <b>Plasticizers</b>   |        |    |    |
| Set-back by Supreme Court   | Apr    | 11 | 18 | Fertilizantes Fosfatados Mexicanos will buy phosphoric acid from Cie. Francaise de l'Azote  | N Apr  | 18 | 25 | Epoxidized oil plasticizers prices  | N Mar  | 14 | 27 |
| Chemical Week 300 — reports, Homer Starr (tables) Feb 21-32, Apr 25-37  | May    | 23 | 32 | Israel asks Allied to compensate the state for what it calls "heavy losses" sustained at the Arad chemical complex in Negev desert              | Mar    | 28 | 23 | Phthalate plasticizer prices  | N Feb  | 21 | 25 |
| Chinese talks discuss exploitation of possible oil reserves in the outer continental shelf under the China Sea  | May    | 30 | 14 | Kellogg-Lopker process proves phosphoric acid manufacturing costs can be cut  | Jan    | 3  | 33 | Specialized resins demand lifts Europe's plastics additive sales (table)  | Apr    | 4  | 33 |
| Cold chills supplies  | Jan    | 17 | 16 | Morocco: West German companies and Polimax plan plant for Cherifien des Phosphates  | N Feb  | 28 | 23 | <b>Plastics</b>   |        |    |    |
| Emergency Petroleum Act of '73, authorizing the President to prepare a mandatory fuel allocation program, approved  | June   | 13 | 19 | Olin's Pasadena, Tex., plant will test travelling-belt filter   | N Apr  | 4  | 47 | ABS capacity of nearly 1 billion lbs./year is Borg-Warner's goal for '75  | R Mar  | 21 | 24 |
| European chemical makers fear a squeeze on oil supplies as a result of cutbacks in Midwest production and expanding imports by the U.S.   | May    | 2  | 24 | Spanish plant at Huelva expansion   | R Mar  | 21 | 50 | ABS resin prices  | N May  | 2  | 28 |
| FTC's chief Halverson says an antitrust complaint asking breakup of at least one major oil company will be sent to FTC  | N June | 6  | 22 | Phosphorus — Pennsylvania's measure would prohibit the use of phosphorus as a cleaning agent in water (table)                                   | Mar    | 14 | 17 | Asia: Raw-material shortages trim south-east Asia's plastics output   | June   | 20 | 18 |
| Feedstocks see <b>Petrochemicals</b>  |        |    |    | Photography — Eastman Kodak hit with antitrust suits  | Jan    | 17 | 21 | Braces and synthetic resins eliminate the "tinsel tooth" look   | Mar    | 7  | 47 |
| Iran: Shah's demand for full control of oil production and other facilities when agreements with oil producers expire in '79, could mean higher feedstock prices and fuel costs | N Feb  | 7  | 31 | Bel & Howell  | Jan    | 17 | 21 | Brazil achieves self-sufficiency in aromatics and some plastics, but locally made products are more expensive than imports (table)                                  | Mar    | 14 | 29 |
| Labor contracts etc. see <b>Labor</b>   |        |    |    | Berkey Photo  | R Feb  | 7  | 17 | Butadiene: Producers can't keep up with rapidly growing demand  | June   | 20 | 21 |
| Petroleum industry  |        |    |    | GAF   | Mar    | 9  | 13 | Cellulosic plastics makers face capacity shortages  | N May  | 16 | 33 |
| LPG: Chemical industry consumption will top 10 billion cu ft this year  | N Jan  | 3  | 19 | Phthalates — Plasticizer prices   | N Feb  | 21 | 25 | Cellulosics: plastics' senior citizen sports youthful growth  | May    | 9  | 21 |
| LPG pipeline near Phillips refinery in Austin, Tex.: leak explodes  | Mar    | 7  | 15 | <b>Phthalic Anhydride</b>   |        |    |    | Chemical Week 300 — reports, Homer Starr (tables) Feb 21-32, Apr 25-37  | May    | 23 | 32 |
| Molecular-sieve process permits drying and desulfurization of olefin-bearing LPG streams, simultaneously  | N Mar  | 21 | 41 | BP's plant at Hull, Yorkshire being brought back into production  | R Apr  | 4  | 29 | Coffee producer is running an in-house evaluation on a plastic container  | N Apr  | 25 | 30 |
| Nixon's energy message. Big changes in store for chemicals?   | Apr    | 25 | 18 | Dupont will increase capacity   | R June | 20 | 19 | Engineering plastics prices   | R Mar  | 21 | 31 |
| Nixon's energy message: CPI lauds fuel supply boost, sees handicap in import fee  | May    | 2  | 9  | Grace considers Puerto Rican project  | May    | 16 | 17 | Flammability charges from FTC could derail growth   | June   | 6  | 26 |
| Offshore leasing and drilling programs to speed up  | May    | 23 | 21 | Japanese-Iranian joint venture complex near Abadan, Iran  | N Jan  | 3  | 25 | Urethane and styrene producers' agreement may set pattern for testing and terminology rules on other major resins   | June   | 20 | 10 |
| Oil companies boost chemical outlays in Europe, cut back in U.S. (chart)  | Mar    | 14 | 18 | Pilliod, Charles Jr. — Goodyear's new president. He stresses fitness for himself — and U.S. industry  | Jan    | 10 | 56 | <b>Foam see Foams</b>   |        |    |    |
| Oil companies in the fertilizer business, some like it, some don't; all expanding in other chemical lines (table)   | Jan    | 17 | 15 | <b>Piping</b>   |        |    |    | MCA report — "Plastics Waste Disposal Practices in Landfill, Incineration, Pyrolysis and Recycle"   | Feb    | 28 | 51 |
| Oil quotas see <b>Imports</b>   |        |    |    | Alaskan pipeline: another snag  | Feb    | 21 | 21 | Packaging materials at National Packaging Exposition  | May    | 16 | 20 |
| Oil shale see <b>Shale Oil</b>  |        |    |    | Administration will appeal court decision barring construction and sponsor legislation to permit the enlarged rights-of-way prohibited by court | Mar    | 7  | 10 | Pipe: increase in the construction industry's use   | Apr    | 4  | 21 |
| Oil spills see <b>Water Pollution</b>   |        |    |    | Set-back by Supreme Court   | N Mar  | 7  | 10 | Pipe: thermoplastic pipe and fittings shipments soar (chart)  | June   | 20 | 15 |
| Olefins see <b>Olefins</b>  |        |    |    | Australian ethane pipeline controversy  | Apr    | 11 | 18 | Pipe developed in Japan job hunting in the U.S.   | N May  | 9  | 34 |
| Pipelines see also <b>Piping</b>  |        |    |    | Esso-BHP delivers feedstock across Australian bay after two-year delay (map)  | Feb    | 28 | 25 | Polymerics replace fertilizers on oil companies' hit parade (table)   | Jan    | 17 | 15 |
| Price lid is no bargain   | Mar    | 14 | 20 | Canada studies feasibility of piping coal-in-oil  | May    | 2  | 31 | Production in the U.S. will grow at 8.6% year   | N May  | 30 | 37 |
| Russians underline their needs of oil and gas industry, promoting NEFTA-GAZ EXPO '73  | N Mar  | 21 | 17 | Illinois processors face stricter controls as result of gas leak  | Apr    | 4  | 24 | Production statistics: Soc. of the Plastics Industry  | N Jan  | 10 | 23 |
| Shortage shaping up   | N Mar  | 2  | 18 | LNG see <b>Natural Gas</b> — LNG  |        |    |    | Record \$130-billion construction year gives CPI healthy lift (charts)  | Apr    | 4  | 21 |
| Taxaco-Coastal States deal challenged by Justice Dept. antitrust suit   | June   | 20 | 13 | LPG pipeline near Phillips refinery in Austin, Tex.: leak explodes  | Mar    | 7  | 15 | Reinforced plastics lift polyester to new high  | Mar    | 28 | 31 |
| Taxaco plans refinery in Ontario  | R May  | 30 | 15 | Norway approves pipeline from the Ekofisk oil field in the North Sea to Teesside, England, and Emder, West Germany                              | May    | 9  | 29 | Skiab 1: Plastic shield ready to help cool off Skiab  | May    | 30 | 15 |
| 27% oil depletion allowance restoration asked   | N Mar  | 21 | 17 | Feeds may be used in West German petrochemical complex  | N June | 6  | 33 | Specialized resins demand lifts Europe's plastics additive sales (table)  | Apr    | 4  | 33 |
| Voluntary allocation system: Treasury's Simon is taking steps to keep petroleum allocation plan voluntary   | May    | 30 | 13 | Oxy and El Paso discussing deal that could bring 1 billion cu ft/day of Russian natural gas to the U.S.   | May    | 30 | 14 | Thermoplastics: thermofabrication rapidly becoming a major market   | N June | 20 | 22 |
| <b>Pharmaceutical Manufacturers Assn.</b>   |        |    |    | Plastic pipe: increase in the construction industry use   | Apr    | 4  | 21 | West German production in '72   | R Jan  | 24 | 32 |
| European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad  | Apr    | 11 | 36 | Plastic pipe: thermoplastic pipe and fittings shipments soar (chart)  | June   | 20 | 15 | Witco sets up polymer division; acquires PB Inc.; plans polybutylene plant  | Feb    | 7  | 17 |
| U.S. chemical companies send aid to stricken Nicaragua  | Jan    | 17 | 18 | Plastic pipe developed in Japan job hunting in the U.S.   | N May  | 9  | 34 | <b>Plastics</b> see also specific plastic   |        |    |    |
| <b>Phenol</b>   |        |    |    | Rotterdam-Antwerp area will have access to West Germany's ARG pipeline grid   | Jan    | 17 | 44 | Plating — Army's Rock Island, Ill., arsenal will treat metal plating wastes in what is claimed to be the largest reverse-osmosis unit ever built for industrial use | Mar    | 2  | 35 |
| Japanese plant near Osaka   | N Jan  | 31 | 19 | <b>Plant Location</b>   |        |    |    | Poland — Titanium dioxide plant planned   | R May  | 30 | 48 |
| Mexican plant   | R Feb  | 7  | 36 | Coastal restrictions block petrochemical and power projects (map)   | May    | 30 | 45 | Polishes — Wood-panel polishes: sales may hit \$20 million this year  | Apr    | 18 | 20 |
| Synthetic phenol prices   | N Mar  | 7  | 37 | Du Pont's European project — sites under  |        |    |    | <b>Polybutylene</b>   |        |    |    |
| USS Chemicals expanding capacity  | N Jan  | 31 | 19 |   |        |    |    | Mobil sells major portion of its polybutylene business  | Apr    | 11 | 20 |
| <b>Phosphate</b>  |        |    |    |   |        |    |    | Witco's polybutylene plans: acquisition   |        |    |    |
| Cities Service's phosphatic fertilizer complex and phosphate rock mining and re-  |        |    |    |   |        |    |    |   |        |    |    |

|   |     |      |    |  |  |     |      |    |  |   |      |    |    |
|---|-----|------|----|--|--|-----|------|----|--|---|------|----|----|
| of PB Inc.: polymer division set up, plant planned  | Feb | 7    | 17 | acid and non-acid modified olefin copolymers and terpolymers             | N  | May | 16   | 33 | its product prices down (chart)  | June  | 20   | 12 |    |
| Plans plant at Tarr, La.  | R   | June | 27 | 15   |  |     |      |    | Base-point pricing systems are coming under a new attack by FTC; initial thrust aimed at seven big softwood plywood makers | N   | Mar  | 21 | 27 |
| Polycarbonates — Markets: sales were up more than 26% last year, led by safety glazing, lighting in areas of high vandalism | May | 16   | 37 |  |  |     |      |    | Belgian chemical makers say price controls are hurting business  | N   | Apr  | 25 | 27 |
| Polychloroprene — Japanese dumping investigated   | N   | Jan  | 3  | 8  | <b>Polypolypropylene</b>   |     |      |    | CW's stock prices and indexes (table)  |   |      |    |    |
| Polycrystalline Silicon — Mini-calculator sales growth will boost market for chemical components                            | Feb | 7    | 27 |  | Amoco's Chocolate Bayou, Tex., capacity will be expanded   | N   | Mar  | 7  | 37   | Jan 3-17, Jan 10-21, Jan 17-22, Jan 24-17, Jan 31-17, Feb 7-18, Feb 14-29, Feb 21-22, Feb 28-22, Mar 7-17, Mar 14-22, Mar 21-25, Mar 28-24, Apr 4-30, Apr 11-21, Apr 18-16, Apr 25-22, May 2-16, May 9-16, May 16-26, May 23-26, May 30-16, June 6-30, June 13-22, June 20-17 | June | 27 | 16 |
| <b>Polyester</b>  |     |      |    |  | First U.S. chemical shipment leaves Houston for China  | Jan | 31   | 15 |  |   |      |    |    |
| BP sells its fabricating business at Gloucester   | R   | Apr  | 11 | 20   | Hercules agreement for first PP plant for Taiwan   | N   | Jan  | 10 | 10   |   |      |    |    |
| Canadian plant at Cornwall, Ont.  | R   | Mar  | 28 | 34   | Hercules' plant will be built in Bayport, Tex. N Jan 3-7   | R   | June | 6  | 29   |   |      |    |    |
| Du Pont's projects in Luxembourg  | N   | Apr  | 18 | 31   | Indonesian plant onstream  | R   | June | 20 | 19   |   |      |    |    |
| Europe's synthetic fibers: from glut to shortage  | May | 16   | 29 |  | Markets strong   | N   | May  | 2  | 27   |   |      |    |    |
| Courtaulds plans fiber complex at Letterkenny, Donegal, Ireland   | N   | Mar  | 21 | 47   | Markets tight despite expansion (table)  | R   | Apr  | 25 | 5  |   |      |    |    |
| Fiber Industries will build polyester staple fiber plant at Darlington, S.C.  | R   | Mar  | 7  | 16   | Mitsubishi looks for joint venture with an American partner  | N   | Feb  | 21 | 37   |   |      |    |    |
| Inmont plans polyester resin complex at Greenville, O.  | R   | Feb  | 21 | 21   | Patent case: Montedison is the winner  | N   | Feb  | 14 | 68   |   |      |    |    |
| Melcor's best customers (table)   | R   | Apr  | 11 | 23   | Patent tiff, capacity shortage threaten PP growth (chart & table)  | Apr | 11   | 15 |  |   |      |    |    |
| Michelangeli's Penta repaired with help of polyester resins   | Jan | 24   | 34 | Scotland: Oil Refining Services revises its application for oil refinery | R  | Mar | 28   | 34 |  |   |      |    |    |
| Monsanto's tire yarn plant at Decatur, Ala. will convert to production of nylon carpet and other fibers                     | R   | Mar  | 21 | 24   | <b>Polystyrene</b>   |     |      |    |  |   |      |    |    |
| Owens-Corning's polyester resin unit due onstream at Valparaiso, Ind.   | R   | Mar  | 7  | 16   | Dow plans plant at Joliet, Ill.  | N   | May  | 9  | 10   |   |      |    |    |
| Polyester film will debut in Japan  | N   | Apr  | 25 | 43   | Monsanto's expandable polystyrene bead plant at Springfield, Mass.   | R   | Mar  | 14 | 21   |   |      |    |    |
| Reichhold plans resin plant at Morris, Ill.   | R   | May  | 2  | 15   | Prices N Feb 28-29   | N   | May  | 2  | 28   |   |      |    |    |
| Reinforced plastics lift polyester to new high  | Mar | 28   | 31 |  | Prices in U.K.   | N   | May  | 2  | 28   |   |      |    |    |
| Reinforced plastics win big everywhere  | Feb | 21   | 27 |  | Richardson buys plant near Houston   | R   | Mar  | 14 | 21   |   |      |    |    |
| Resins, prices  | N   | Apr  | 18 | 25   | Shell's plant at Carrington, England   | R   | Jan  | 3  | 29   |   |      |    |    |
| Russian polyester staple plant: Uhde beats out Chemtec for contract   | N   | May  | 30 | 49   | Thermoflorming fabrication rapidly becoming a major market   | N   | June | 20 | 22   |   |      |    |    |
| Shipments up — Textile Economics Bureau report  | Apr | 11   | 20 |  | Polytetrafluoroethylene — Japanese process recycles scrap PTFE economically  | N   | June | 6  | 56   |   |      |    |    |
| Synthetic fibers production: polyester heading toward 30% share of total fiber market (chart)                               | Feb | 28   | 14 |  | Polyvinyl Alcohol — Kuraray sells plant to China   | N   | Apr  | 4  | 41   |   |      |    |    |
| Polyether — Belgium plant expansion   | R   | May  | 2  | 23   | <b>Polyvinyl Chloride</b>  |     |      |    |  |   |      |    |    |
| <b>Polyethylene</b>   |     |      |    |  | Capacity takes off (table)   | Jan | 31   | 13 |  |   |      |    |    |
| BP Chemicals' high-molecular-weight polymers as materials for drums   | N   | May  | 23 | 39   | Certain-Teed Products' PVC polymerization plant at Lake Charles, La., three new PVC pipe plants and six glass-fiber plants | Apr | 18   | 25 |  |   |      |    |    |
| Degradable PE bags from Finland   | N   | Jan  | 24 | 39   | Eso Pappas will expand capacity at its Salonika plant  | R   | May  | 23 | 46   |   |      |    |    |
| Dow's Colombian LDPE venture interest sold  | N   | Jan  | 17 | 25   | Ethyl Corp. ups capacity at Tiptonville, Tenn.   | R   | Apr  | 25 | 21   |   |      |    |    |
| Du Pont's plant at Victoria, Tex.   | R   | Jan  | 3  | 16   | Goodyear will double capacity at Plaquemine, La.   | R   | Apr  | 4  | 29   |   |      |    |    |
| HDPE: Asahi licenses technology to Pemex  | R   | May  | 2  | 23   | Grace considers Puerto Rican project   | N   | May  | 16 | 17   |   |      |    |    |
| HDPE: BP to up capacity at Grangemouth, Scotland plant  | R   | May  | 23 | 46   | Indonesian plant planned   | N   | Jan  | 10 | 46   |   |      |    |    |
| HDPE: Dow plans plant at Tessenrode, Belgium  | N   | June | 27 | 37   | Iran's Abadan to triple capacity   | R   | Feb  | 21 | 39   |   |      |    |    |
| HDPE: Gulf adding HDPE capacity to Orange, Tex., PE plant   | R   | Jan  | 17 | 18   | KemaNord's plant in Denmark  | R   | Mar  | 21 | 49   |   |      |    |    |
| HDPE: Hercules, Mitsui dissolve U.S. PE-making partnership  | May | 23   | 19 |  | Monsanto shutting down units at Springfield, Mass.   | N   | Apr  | 11 | 13   |   |      |    |    |
| HDPE prices N Feb 14-53, N Feb 28-29, N Mar 14-28   | N   | May  | 23 | 31   | Oxo alcohols get high-plasticized PVC markets up demand for oxo  | Mar | 21   | 29 |  |   |      |    |    |
| LDPE: Cof will increase capacity at Moselle plant   | R   | Apr  | 18 | 29   | Plastic pipe developed in Japan job hunting in the U.S.  | N   | May  | 9  | 34   |   |      |    |    |
| LDPE: Ethylene Plastics' unit at Lillezone, France, onstream  | R   | Jan  | 31 | 22   | Robintech and Shin-Etsu Chemical plan PVC resin plant at Freeport, Tex.  | R   | June | 27 | 15   |   |      |    |    |
| LDPE: Franco-Greek syndicate plans plant at Corinth, Greece   | N   | June | 13 | 39   | Sweden: Kema Nord plans expansion at Stenungsund   | R   | May  | 2  | 23   |   |      |    |    |
| LDPE: Monsanto's Texas City plant refuses to die  | Feb | 21   | 13 |  | Tenneco will expand PVC resin capacity at Pasadena, Tex.   | N   | Apr  | 4  | 37   |   |      |    |    |
| LDPE: South African plant at Sasolburg dedicated  | R   | Mar  | 28 | 34   | Tenneco's project in Texas will use the large reactor technology licensed from Shintetsu Chemical                          | N   | Apr  | 25 | 13   |   |      |    |    |
| LDPE: UC Australia's plant onstream at Altona   | R   | Jan  | 31 | 22   | <b>Teromeric Materials</b>   |     |      |    |  |   |      |    |    |
| LDPE capacity boost at Exxon's Baton Rouge, La., plant  | R   | May  | 9  | 17   | Jentira will be expanded by a new company, Fleming Joffe Jentira Ltd.  | N   | Feb  | 21 | 25   |   |      |    |    |
| LDPE plant for Ukraine  | N   | May  | 23 | 43   | Synthetics aim for bigger cut of shoe market   | Mar | 7    | 35 |  |   |      |    |    |
| LDPE plant in East Germany  | R   | Mar  | 7  | 20   | Tanera, new material produced by Scott-Chatham   | N   | Feb  | 21 | 25   |   |      |    |    |
| LDPE plant to be sold to Peking by Mitsubishi Petrochemical   | N   | May  | 2  | 24   | Portugal — Cia Uniao Fabril seeking government approval for acrylic fiber joint venture with Mitsubishi                    | R   | Feb  | 7  | 36   |   |      |    |    |
| LDPE prices N Feb 28-29, N Mar 7-37   | N   | Mar  | 21 | 31   | Plant to be built near Lisbon  | R   | May  | 30 | 47   |   |      |    |    |
| Markets strong  | N   | May  | 2  | 27   | <b>Potash</b>  |     |      |    |  |   |      |    |    |
| Output soars but ethylene bid will send prices soaring (chart)  | Apr | 25   | 15 |  | Boulby, Yorkshire, mine expects full production by '74   | R   | Mar  | 14 | 31   |   |      |    |    |
| UC's Brazilian plant still beset by production problems   | Mar | 14   | 29 |  | Canada, Saskatchewan's prorating of plan: Central Canada Potash seeks court test   | N   | Jan  | 31 | 19   |   |      |    |    |
| UC's capacity buildup of ethylene oxide and PE  | N   | Jan  | 17 | 13   | CCP loses another round  | N   | Feb  | 14 | 53   |   |      |    |    |
| Polymides — Upjohn's process produces its new polyimide 2080 in half the time   | Feb | 21   | 41 |  | May change its potash sales regulations  | N   | June | 13 | 23   |   |      |    |    |
| Polyisocyanate — Bayer's chemical complex near Brunsbüttel scheduled to start this fall                                     | N   | Apr  | 25 | 27   | ECC prohibits cooperation agreement between Soc. Commerciale des Potasses et de l'Azote Sali and Kali und Salz             | N   | June | 20 | 20   |   |      |    |    |
| <b>Polymers</b>   |     |      |    |  | FI reports use down  | N   | Feb  | 7  | 23   |   |      |    |    |
| BP Chemicals' high-molecular-weight polymers as materials for drums   | N   | May  | 23 | 39   | Prices   | N   | Apr  | 25 | 30   |   |      |    |    |
| China shows little interest in buying U.S. technology: remarks of H. Merk at N.Y. Overseas Press Club                       | Aug | 9    | 15 |  | <b>Powders</b>   |     |      |    |  |   |      |    |    |
| Exxon develops new line of acid and non-acid modified olefin copolymers and terpolymers                                     | N   | May  | 16 | 33   | Ferro licenses Ruhr-Pulverlack's powder coating technology   | Apr | 11   | 18 |  |   |      |    |    |
| Fuel additive to prevent fires after jet plane crashes showing promise  | N   | June | 13 | 43   | Grow Chemical patents new method of making powder coatings   | N   | June | 20 | 31   |   |      |    |    |
| Princeton Polymer Labs. licenses additive for photodegrading polymers   | R   | Mar  | 14 | 40   | Powder coatings for use on glass containers  | Apr | 11   | 33 |  |   |      |    |    |
| Polyolefins — Exxon develops new line of  |     |      |    |  | <b>Preservatives</b>   |     |      |    |  |   |      |    |    |
|   |     |      |    |  | Sodium nitrate is under attack as a food preservative  | N   | Apr  | 18 | 18   |   |      |    |    |
|   |     |      |    |  | Sorbitates are finished as preservatives in processed meats  | N   | Apr  | 11 | 14   |   |      |    |    |
|   |     |      |    |  | <b>Prices</b>  |     |      |    |  |   |      |    |    |
|   |     |      |    |  | Anti-inflation action catches U.S. chemical industry with its operating costs up and                                       |     |      |    |  |   |      |    |    |

(N Newsletter, R Roundup.)



**Russia**

|   |     |      |    |    |
|---|-----|------|----|----|
| Agricultural crisis   | N   | Mar  | 21 | 47 |
| Ammonia plant to be built by Technash-import  | N   | May  | 23 | 43 |
| BASF negotiating the sale of three chemical plants  | N   | Mar  | 28 | 32 |
| Brezhnev's visit: Catalyst for chemical trade?  | N   | June | 13 | 15 |
| Chemical production rose 11% in the first two months of '73   | R   | Mar  | 28 | 34 |
| ENI's pact with the Soviets   | N   | Mar  | 28 | 32 |
| Fertilizer production goal of 90 million tons/year by '75 will be met   | N   | Mar  | 28 | 32 |
| Japan-Russia to discuss nuclear power development   | N   | May  | 16 | 27 |
| LDPE plant for Ukraine  | N   | May  | 23 | 43 |
| Montedison would sell the Soviets chemical plants and technology, take payment in basic chemicals and intermediates | N   | Mar  | 7  | 33 |
| Ory and El Paso discussing deal that could bring 1 billion cu ft/day of Russian natural gas to the U.S.             | May | 30   | 14 |    |
| Oil and gas industry needs underlined; NEFTA-GAZ EXPO '73 promoted  | N   | Mar  | 21 | 17 |
| Pollution control: Russia's crackdown on pollution may generate U.S. equipment sales                                | Jan | 17   | 38 |    |
| Polyester staple plant: Uhde beats out Chemtec for contract   | N   | May  | 30 | 49 |
| Shakeup for Soviet chemicals?   | Feb | 21   | 38 |    |
| Siberian natural gas: U.S. development chances brighten   | N   | Mar  | 21 | 17 |
| Sulfuric acid plants bought by Technash-import  | N   | May  | 23 | 43 |
| Trade see also <b>Exports and imports</b> — East-West trade   |     |      |    |    |
| U.S. and Russian agreement for cooperation on water pollution control technology                                    | Apr | 4    | 53 |    |
| You think you've got overcapacity! — Viewpoint  |     |      |    |    |
| Socialism plus electricity — letter   | Jan | 10   | 5  |    |

**S****Saccharin**

|  |     |      |    |
|--|-----|------|----|
| A ban on saccharin?                                      | Mar | 7    | 13 |
| FDA extends the interim food additive regulation         | N   | June | 13 |
| FDA's rat-feeding study could mean the end for saccharin | May | 30   | 12 |

**Safety**

|   |      |      |    |
|---|------|------|----|
| Airport security: new market for chemicals — letter   | May  | 2    | 25 |
| Automobiles see <b>Automobiles</b>  | June | 20   | 5  |
| Deodorant-soap: FDA panel raises safety questions about hexachlorophene substitutes   | N    | Feb  | 14 |
| Detergents see <b>Detergents</b>  |      |      |    |
| Drugs see <b>Drugs</b>  |      |      |    |
| First annual survey of investment in employee health and safety — McGraw-Hill's Economics Dept.   | May  | 30   | 15 |
| Food additives see <b>Food Additives</b>  |      |      |    |
| FDA warns containers supposedly filled with Pure-Pac epsom salt, may actually contain potassium nitrate                                 | June | 20   | 15 |
| Fuel additive to prevent fires after jet plane crashes showing promise  | N    | June | 13 |
| Grow-LEMSIP additive system may combat lead poisoning in children   | Jan  | 24   | 39 |
| Hazardous chemicals: GAO wants tougher laws for hazardous-materials shipping  | May  | 16   | 23 |
| Hazardous materials: DOT will need industry's help in developing standards and controls for safe shipping, says Davis                   | Jan  | 24   | 12 |
| International Isocyanate Institute, new industry group, will meet to develop a program for promoting isocyanates                        | Mar  | 21   | 23 |
| Job-safety legislation see <b>Law</b>   |      |      |    |
| Kawachi Benico's Hazetron, Pa., beryllium refining plant strike: Health is an issue   | May  | 23   | 18 |
| Lead emitted from car engines a health hazard believes two doctors  | N    | Mar  | 14 |
| Lead exposure standard tightening recommended by NIOSH  | Jan  | 31   | 13 |
| LNG: Staten Island, N.Y. tank disaster will aggravate CPI's site selection problems   | Feb  | 21   | 19 |
| Moratorium on LNG?  | Feb  | 28   | 18 |
| National Steel's Weirton, W.Va., new coke plant blast: spotlights coke problems   | Jan  | 3    | 15 |
| OSHA issues 11 citations for job safety violations  | N    | Mar  | 28 |
| Nuclear safety see <b>Atomic Power</b>  |      |      |    |
| OSHA  |      |      |    |
| Carcinogenic chemicals: OCAW, Nader group press for emergency measures  | Feb  | 7    | 41 |
| OSHA readying temporary standards   | N    | Apr  | 25 |
| OSHA issues work practice standards for 14 carcinogens  | N    | May  | 9  |
| EPA bases first round in battle over setting standards covering return of farm workers to fields that have been sprayed with pesticides | N    | May  | 9  |
| Alpha-naphthylamine and derivatives production may be discontinued  | N    | May  | 23 |
| Du Pont will continue to make alpha-naphthylamine and derivatives   | N    | May  | 30 |

|  |      |      |    |
|--|------|------|----|
| Dow stops production of ethylenimine monomers and polyethylenimine polymers  | N    | May  | 30 |
| Carcinogen chemicals: Rules too tough or not tough enough?   | June | 13   | 45 |
| Dow will be getting back into production of ethylenimine   | N    | June | 20 |
| OSHA: much done, much to be done — Viewpoint   | June | 13   | 5  |
| When the safety sleuth comes to call — report, Anthony J. Piombino   | June | 6    | 41 |
| Oral dosage drugs must be dispensed in child-resistant safety packages by Apr. 16, '74                                     | R    | Apr  | 25 |
| PPG's chlorine-caustic soda plant in Puerto Rico picketed following the plant's second chlorine leak                       | Jan  | 10   | 16 |
| Pipeline safety see <b>Piping</b>  |      |      |    |
| Poison Prevention Packaging Act '70: Child-resistant packages cause headaches for specialties makers (tables)              | Mar  | 21   | 55 |
| — Correction   | Apr  | 4    | 35 |
| — letter   | Apr  | 25   | 5  |
| Pollution control see <b>Air Pollution; Environment; Water Pollution</b>   |      |      |    |
| Respiratory Disease Benefits Act introduced by Sen. Taft, Jr.  | Mar  | 14   | 19 |
| Staph outbreaks raise pressure for end of hexachlorophene ban  | Jan  | 31   | 14 |
| Thermoluminescent devices: new measure for radiation exposure  | June | 27   | 35 |
| Thicko's Woodbine, Ga., explosion triggers damage suit   | Feb  | 21   | 19 |
| <b>Salt</b>  |      |      |    |
| Cargill supplying salt customers from inventory in the wake of a cave-in at Belle Island, La., mine                        | N    | Mar  | 28 |
| International Salt opens solar salt unit in Netherlands Antilles   | Apr  | 25   | 19 |
| Little, Arthur D. report concludes salting on snow and ice on highways should continue, but the practice has to be limited | N    | Feb  | 14 |
| Sampson, Herbert — Northern Petrochemical's chairman and president   | Apr  | 18   | 48 |
| Farmer out to make profits grow  |      |      |    |
| <b>Saudi Arabia</b>  |      |      |    |
| Houston Natural Gas plans methanol plant in partnership with Petrochem   | June | 27   | 13 |
| Japanese-Saudi Arabian petrochemical complex studied   | N    | Apr  | 11 |
| Schlieder, Willy — Common Market anti-trust chief has his eye on U.S.-owned as well as European firms                      | Feb  | 14   | 33 |
| Schlomo, Benjamin — Du Pont's International Dept. v-p: He wanted a trip and got the world                                  | Apr  | 4    | 64 |
| Schmidlein, Joseph — Arizona Chemical's president and chief executive officer: On his toes in boardroom and ballroom       | Apr  | 11   | 40 |
| Schmidt, Alexander — New head of FDA   | N    | June | 6  |
| <b>Scotland</b>  |      |      |    |
| HDPE: BP to up capacity at Grangemouth plant   | R    | May  | 23 |
| Oil refinery at Hunterston application revised   | R    | Mar  | 28 |
| Sea Whip — Harvesting sea whip doesn't affect the ocean's ecosystem says Upjohn's Hinman                                   | May  | 9    | 32 |
| Sealants — "Pit and fissure" sealants are painted over teeth to act as a barrier to tooth decay                            | Mar  | 7    | 47 |
| — letter   | May  | 23   | 5  |
| Selling see <b>Marketing</b> ; see also specific chemical, commodity etc.  |      |      |    |
| Sessions, William — American Can's v-p, chemicals: Entrepreneur sees romance in chemicals                                  | Feb  | 21   | 56 |
| <b>Sewing</b>  |      |      |    |
| Martell's new toy dispenses proprietary adhesive, hardening agent, eliminating needle and thread for garment assembly      | June | 20   | 24 |
| 3M home-sewing market notions line, including pattern adhesive, needle conditioner, fasteners                              | May  | 16   | 32 |
| Shale Oil — Paraho Development's process for recovering various hydrocarbons from oil shale will be studied                | N    | Mar  | 7  |
| Paraho convinced its vertical kiln, used for calcining limestone, can be successfully adapted to process shale             | N    | Apr  | 11 |
| Vertical kiln process may end oil-from-shale bottleneck  | Apr  | 18   | 33 |
| <b>Shipping</b>  |      |      |    |
| Diamond signs first "integrated service" contract in chemical distribution pact  | N    | Mar  | 21 |
| Equipment shipment delays — McGraw-Hill Economics Dept. study (table)  | May  | 2    | 15 |
| Freight rates see <b>Freight Rates</b>   |      |      |    |
| Freighter rams Penn Central Bridge, knocking out rail service to chemical plants   | Mar  | 14   | 20 |
| Hazardous materials: DOT will need industry's help in developing standards and controls for safe shipping, says Davis      | Jan  | 24   | 12 |
| Hazardous chemicals: GAO wants tougher   |      |      |    |

|   |      |      |    |
|---|------|------|----|
| laws for hazardous-materials shipping   | May  | 16   | 23 |
| Liquid chemicals shipment size limit set  | N    | May  | 30 |
| Mississippi flooding and high water cause serious disruption of chemical shipping   | N    | Apr  | 11 |
| National Water Commission calls for user charges sufficient to cover operation and maintenance costs of keeping U.S. waterways navigable                          | June | 20   | 11 |
| Report running into strong opposition from many waterway-using industries   | June | 27   | 13 |
| Petroline building LPG terminal in Los Angeles harbor area  | R    | Feb  | 7  |
| Seaboard Coast Line's Rockport, Fla., phosphate rock loading terminal shut down by collapse of a huge loading boom  | June | 20   | 15 |
| Superports: Delaware Bay plans get boost  | Jan  | 24   | 16 |
| Trouble ahead for chemical transport — report, John M. Winton (charts & table)  | Jan  | 31   | 25 |
| Shipping see also <b>Barges; Railroads; Tankers; Trucks</b>   |      |      |    |
| <b>Shoes</b>  |      |      |    |
| Goodyear Shoe Product Div.'s first lightweight solid-rubber shoe sole, made of Neolite, so light, it floats   | June | 13   | 19 |
| Poromeric materials: Jentra will be expanded by Fleming Jentra; Scott-Cham producing a new material called Tanera   | N    | Feb  | 21 |
| Silica — Cabot's division hikes capacity for fumed silica at Tuscola, Ill.  | R    | Mar  | 21 |
| Silicon — Alcoa plans magnesium and silicon plant at Addy, Wash.  | N    | Jan  | 24 |
| Silicon Carbide — Netherlands plant near Delft  | R    | Jan  | 24 |
| Silver — Asarco's electrolytic copper refinery near Amarillo, Tex., main by-product: silver   | Mar  | 14   | 19 |
| Singapore — Petrochemical complex: Sumitomo's Hasegawa trying to interest other Japanese chemical makers in his plan  | Mar  | 7    | 20 |
| <b>Soap</b>   |      |      |    |
| Chemical Week 300 — reports, Homer Starr (tables) Feb 21-31, Apr 25-35  | May  | 23   | 32 |
| Deodorant-soap: FDA panel raises safety questions about hexachlorophene substitutes   | N    | Feb  | 14 |
| Soapers take issue with FDA panel report on bacteriostat safety (table)   | Feb  | 21   | 20 |
| Soap & Detergent Assn. — Convention highlights: China trade, glycerin outlook   | Jan  | 31   | 14 |
| <b>Society of the Plastics Industry</b>   |      |      |    |
| Plastics production statistics  | N    | Jan  | 10 |
| Reinforced plastics win big everywhere  | Feb  | 21   | 27 |
| <b>Soda Ash</b>   |      |      |    |
| Allied expanding operation at Green River, Wyo.   | R    | Feb  | 7  |
| FMC expanding capacity at Green River, Wyo.   | N    | Mar  | 23 |
| ICI's finishing plant to be modernized  | R    | May  | 23 |
| Olin's Saltville plant, mineral rights and \$600,000 will be given to the town  | Jan  | 10   | 17 |
| PPG's Barberton, O., planned shutdown of synthetic soda and related operations will be completed no later than Mar. 31  | N    | Feb  | 14 |
| Shown completed   | R    | Apr  | 25 |
| Solvay-process plants on the way out? PPG's Barberton Unit is the latest casualty of poor economics and pollution problems, but a process twist may stem the tide | May  | 7    | 40 |
| Stauffer discusses commitments to the soda ash market at its annual meeting   | Apr  | 25   | 18 |
| Tata Chemicals expanding its Mithapur plant   | R    | Jan  | 10 |
| Texas Gulf's soda ash plant and underground trona mine in Sweetwater County, Wyo.   | R    | Apr  | 11 |
| Sodium Bichromate — Prices  | N    | Mar  | 28 |
| Sodium Chloride — Dow develops process to make methyl chloride and carbon dioxide from sodium chloride brine contaminated with acetic acid                        | N    | Feb  | 28 |
| Sodium Hydrosulfite — Virginia Chemicals' sodium hydrosulfite-based proprietary chemicals plant in Chester County, S.C., slated                                   | R    | Mar  | 28 |
| Sodium Nitrate — Under attack as a food preservative  | N    | Apr  | 18 |
| <b>Sodium Perborate</b>   |      |      |    |
| Du Pont will double SPB capacity and increase output of Oxone monopersulfate compound at Memphis, Tenn., plant  | R    | June | 27 |
| Israeli plant planned   | R    | Apr  | 18 |
| Sodium Tripolyphosphate — Italian plant at Porto Torres, Sardinia, onstream   | R    | Apr  | 4  |
| <b>Solar Power</b>  |      |      |    |
| Dow uses solar evaporation to cut waste loads at Pittsburg, Calif.  | May  | 16   | 57 |
| Little, Arthur D. will study how you get into the solar climate control business  | N    | May  | 16 |
| <b>Solvents</b>   |      |      |    |
| Aliphatic plant at Sun Oil's Marcus Hook, Pa.   | R    | Feb  | 7  |

Arosat process for producing jet fuel and low-aromatic solvents developed ... N May 16 48  
 Australian plant at Ampol's Lytton refinery ... R June 20 19  
 Chlorinated solvents expansion at Vulcan's Wichita, Kan., and Geismar, La., plants ... R Jan 17 18  
 Chlorinated solvents prices ... N June 13 23  
 Ethanol-based industrial solvents prices ... N May 2 28  
 Life magazine's demise won't hurt producers of printing chemicals ... Jan 3 35  
 Oxygenated solvent prices ... N June 6 36

**South Africa**

Antimony oxide to be produced ... R May 30 47  
 Calcium hypochlorite plant at Chloorkop, Transvaal ... R Jan 24 32  
 LDPE plant at Sasolburg dedicated ... R Mar 28 34  
 Sulfuric acid plant construction contract to Simon Carves Africa ... R Feb 14 27  
 Soybean Oil — Prices ... N Mar 14 27  
 Soybeans — Courtaulds test marketing, Kesp. a "synthetic spun meal" derived from soybeans ... N May 2 31

**Space Technology**

Satellite pollution monitoring program data better than expected ... Jan 3 22  
 Skylab 1, Plastic shield ready to help cool off Skylab ... May 30 15

**Spain**

Acrylic fiber capacity boost at Industrias Quimicas Altamira ... R Apr 18 29  
 Aluminum, multicompany international venture formed to build alumina and aluminum complex in Galicia ... May 9 28  
 Ammonia plant contract to Tecnicas Reunidas ... R Jan 10 46  
 British Titan and UEE-Rio Tinto plan TiO<sub>2</sub> plant at Huelva ... N Feb 28 23  
 Carbon black capacity expansion at Santander ... R May 9 28  
 Foreign forecast: World chemicals head for brighter future — report, Albert H. Kline (charts) ... Jan 24 25  
 Government encouraging the construction of chemical plants big enough to compete in Europe ... Apr 18 27  
 Gulf Oil negotiating the sale of its interest in three joint ventures in Huelva ... R Jan 17 44  
 Olefine plant near Tarragona ... R Mar 7 20  
 Phosphoric acid plant at Huelva capacity expansion ... R Mar 21 50  
 Phosphoric acid plant in the Canary Islands; three Spanish companies vying for government permission ... May 9 27  
 UEE-Rio Tinto applies for government permission to expand original plants of Titano S.A. ... N May 16 27  
 U.S. chemical interests are being reshuffled; Exxon seems to be reducing its involvement, while Monsanto moves to strengthen its position ... Mar 21 49  
 Specialties: Think small to make it big in specialty chemicals — report, Charles H. Kline (charts & tables) ... Jan 17 27  
 — letters ... Jan 31 3  
 Stabilizers — Specialized resins demand lifts Europe's plastics additive sales (table) ... Apr 4 33  
 — letter ... May 2 36  
 Staley, Paul — Philadelphia Quartz's president, Architect-lawyer finds he's best at management ... June 27 48

**Standardization**

Carbogenic chemicals see **Labor** — OSHA ...  
 Lead exposure standard tightening recommended by NIOSH ... Jan 31 13  
 OSHA see **Labor**  
 Stanford Research Institute — Explosives sniffer ... May 2 26  
 Stearn — Van Huisen heat exchanger may help unlock geothermal energy reserves ... Feb 7 45  
 Stearic Acid — Consumption by the candle industry ... Jan 24 33

**Steel**

Chemical Week 300 — reports, Homer Starr (tables) Feb 21-34, Apr 25-40 ... May 23 32  
 Radial tire push gives boost to steel (charts) ... Jan 31 21  
 Shortage slows chemical construction (table) ... June 20 27  
 Swedish electrode provides more accurate picking control ... Jan 24 37  
 U.S. steel industry could do a lot better in its efforts to control pollution says Council on Economic Priorities study of 47 plants ... May 23 18  
 U.S. Steel will spend \$75-80 million to control pollution at its Gary, Ind., works ... N Mar 7 43

**Stockpiles**

GSA extends the time allotted major aluminum companies for purchase of aluminum from government stockpiles ... Jan 3 13  
 Magnesium: NL Industries buys 10,000 tons ... N June 6 21  
 Nixon calls for 90% slash in nation's commodity stockpiles ... Apr 25 16  
 Rubber: Monthly sales will be doubled ... N May 16 33  
 Rubber: sales of stockpiled natural rubber worry rubber marketers ... N Apr 4 37

Sale piles up worries (table) ... Mar 28 20  
 Tin: GSA stockpile sales could create a financial crisis for Bolivia ... N Mar 7 37  
 Tungsten: Timed-release tungsten ... N June 13 18

**Storage**

Diamond signs first "integrated service" contract in chemical distribution pact ... N Mar 21 31  
 Illinois processors face stricter controls as result of gas leak ... Apr 4 24  
 LNG: Staten Island, N.Y., tank disaster will aggravate CPT's site selection problems ... Feb 21 19  
 Moratorium on LNG? ... Feb 28 18

**Storms**

Mississippi flooding and high water cause serious disruption of chemical shipping ... Apr 11 22  
 Chemical shipping is in a mess ... N May 9 25  
 Mississippi River flood hasn't dampened sunny fertilizer outlook ... Apr 18 23

**Styrene**

Australia: Monsanto may join Broken Hill Pty. in building monomer plant in Victoria ... N June 6 33  
 BASF's process for making anthraquinone from styrene ... N Apr 4 47  
 Dow plans unit at Tessenderloo, Belgium ... N June 27 37  
 FTC challenges flammability, urethane and styrene producers' agreement may set pattern for testing and terminology rules on other major resins ... June 20 10  
 Foster Grant expanding capacity at Baton Rouge, La. ... N Mar 28 17  
 Italian plant at Mantua ... R Jan 10 46

**Sulfur**

AMAX Nickel's Freeport Minerals refining plant in Plaquemine Parish expansion and reopening ... R Apr 4 29  
 Canadian sulfur producers team up to seek new end uses ... N June 27 33  
 Desulfurization see **Desulfurization**  
 Dumping: Canadian sulfur dumping probe extended ... R Feb 14 27  
 Canadian dumping decision could set a precedent ... N Mar 14 12  
 Canadian sulfur being sold in the U.S. at less than fair value says Treasury ... N May 2 18  
 Emissions tax proposal revived ... Feb 28 17  
 European shortage developing ... N Feb 7 23  
 Price hike support develops in Canada ... N Jan 17 23  
 Prices N Jan 24-19 ... N Mar 21 31  
 Texasgulf to build liquid sulfur terminal at Morehead City, N.C. ... R May 30 15  
 Sulfur-coated-urea — SCU and urea ammonium phosphate: bright prospects ... Jan 10 18  
 Sulfur Development Institute of Canada — Canadian sulfur producers team up to seek new end uses ... N June 27 33  
 Sulfur Dioxide see also **Air Pollution**;  
**Desulfurization**  
 Sulfur Monochloride — Illinois processors face stricter controls as result of gas leak ... Apr 4 24

**Sulfuric Acid**

African plant construction contract goes to Simon Carves Africa ... R Feb 14 34  
 Agrico Chemical contracts R.M. Parsons for complex at Donaldsonville, La. ... R Mar 7 16  
 Prices N Feb 7-23 ... N Feb 28 29  
 Texas Gulf's plant at Lee Creek, N.C. contract to Monsanto Enviro-Chem ... R Jan 3 16  
 Superconductivity — Will new organics leave metals out in the cold? ... Apr 11 30

**Surfactants**

Biodegradable surfactants will be produced and sold in Japan ... N Jan 24 19  
 Nitrite ion: New method speeds screening of chemicals for herbicidal activity ... Mar 14 37  
 Permite Corp.'s premixed surfactant system, Banish, kills mildew on interior and exterior surfaces ... Jan 3 35

**Sweden**

BASF is embroiled in three-way court battle in Germany, Sweden, over construction of urethane plant ... Mar 21 49  
 Earnings rise ... Mar 21 49  
 Government acquires MoDo Kemi from Mo och Domsjö ... May 23 45  
 Kvaerner Nord plans PVC expansion at Stenungsund ... R May 2 23  
 Petrochemical output at Stenungsund complex increased ... R Mar 7 20

**Sweeteners**

Ajinomoto will join Searle in building a plant in the U.S. to produce Searle's new amino acids-based sweetener ... R May 9-17 ... N May 23 39  
 FDA's rat-feeding study could mean the end for saccharin ... May 30 12  
 Saccharin: A ban on saccharin? ... Mar 7 13  
 Synthes — Ashland's multifunctional amides made by synthesis single-step bid for many jobs ... Mar 28 26

**Synthetic Organic Chemical Manufacturers Assn.**

Feldcrest Mills' Vance spells out what he

considers to be the necessary waste treatment priorities for the textile industry, at SCMAA meeting ... Feb 14 26  
 Kent says zero in on the few chemicals that pose "unreasonable risk" ... N Mar 21 17  
 Toxic substances control act: Plea for selectivity in the testing of new chemicals ... Mar 28 23  
 Whittemore is willing to let ASP go in exchange for equal concessions ... May 30 12

**T**

Taiwan see **China, Nationalist**

**Tankers**

Natural Gas Pipeline signs a letter of intent with Newport News Shipbuilding for the construction and purchase of two tankers ... R Jan 10 18  
 Tenneco to build LNG tankers ... N Apr 25 13  
 "The world's largest" methane tanker, Gadmira, delivers first full cargo of LNG to Osaka Gas' terminal, Japan ... Jan 24 15

**Tanks**

Illinois processors face stricter controls as result of gas leak ... Apr 4 24  
 LNG: Staten Island, N.Y., tank disaster will aggravate CPT's site selection problems ... Feb 21 19  
 Moratorium on LNG? ... Feb 28 18

**Tariffs**

ASP: European nations refuse to extend deadline for U.S. repeal of ASP; new trade timetable ... Jan 3 12  
 ASP: Repeal the ASP and keep DISCs says UC's Wilson ... N Mar 14 11  
 ASP's scope clarified: valuation methods for benzenoid chemicals can't be applied to methyl bromide ... June 27 14  
 — and stronger hand in trade — Viewpoint ... Apr 18 3  
 Chemicals will be heard in this year's scheduled trade talks ... June 27 12  
 Dumping see **Imports**  
 European Common Market adds economic muscle with entry of U.K., Denmark and Ireland (map & chart) ... Jan 3 26  
 Granting of tariff preferences to developing countries may be supported by some segments of the U.S. chemical industry ... N Apr 11 13  
 Michelin's radial tires made in Canada; U.S. Treasury imposes countervailing duties ... Jan 17 17  
 Oil: Are two tiers better than one? ... Mar 28 20  
 Trade bill  
 Dollar crisis ends, but CPI worries about new trade bill ... Feb 21 15  
 Steep rise in chemical imports points up peril in the plan (charts & table) ... Feb 21 16  
 Mills favors 10-15% imports surcharge ... N Feb 28 13  
 Administration's trade bill will be a middle-of-the-road measure ... N Mar 14 23  
 Administration's trade bill goes to Congress within a couple of weeks ... N Mar 28 17  
 Hearings begin on trade bill that will set negotiating stance ... May 9 17  
 Chemical industry seeks curbs on Nixon's trade bargaining power ... May 30 12  
 Nixon's trade bill pushed ... N June 20 9  
 Trade policy: Congress in no mood to give Nixon blank check on trade ... Jan 24 14  
 Trade Reform Act of '73: They're marshaling for GATT fight ... Apr 18 10  
 What new Congressional and Cabinet lineup means to the CPI ... Jan 10 15

**Taxation**

Excess-profits tax for corporations proposed by G. Meany labeled "ludicrous" by one industry leader ... N Apr 4 17  
 German chemical makers face higher taxes ... N Mar 7 33  
 Investment credit: Don't tamper with investment credit — Viewpoint ... May 16 5  
 Louisiana: Delegation of top chemical management men convinces Louisiana's chief executive to retain tax incentives for business (charts) ... Feb 7 11  
 Louisiana: Selling the governor is half the job — Viewpoint ... Feb 7 5  
 Louisiana won't tamper with tax incentives for business ... N Feb 28 13  
 MCA, other CPI witnesses tell Congress: don't rock tax structure ... Mar 14 16  
 Multinationals talk their way out of trouble (chart & table) ... Mar 28 18  
 Nixon proposes higher tax on sulfur oxide emissions ... N Feb 21 41  
 Pennsylvania-based chemical companies may get tax relief N Jan 17-13 ... N Feb 21 13  
 Piermont, N.Y., suing Federal Paper Board and Continental Can for refusal to pay local tax for '72-'73 ... Feb 28 16  
 Sulfur oxide emissions tax proposal revived ... Feb 28 17  
 Tax reform hearings: 7% investment tax credit and Asset Depreciation Range ... N Feb 14 18  
 Three-way tax trouble brewing in Congress: Capital gains, foreign profits, minimum tax ... Mar 7 11

(N Newsletter, R Roundup.)



could derail plastics' growth ..... June 6 26  
 Urethane and styrene producers' agreement may set pattern for testing and terminology rules on other major resins ..... June 20 10  
 Olin's expansion in urethane chemicals and plastics ..... June 13 18  
 UC's Sneath: Auto seating, safety bumpers show promise as urethane markets ..... Mar 21 20

## V

### Vaccines see Drugs

#### Venezuela

El Tiabazo complex's first section opened ..... Jan 17 43  
 Japanese companies (3) are conducting a feasibility study on construction of a aluminum smelter N Mar 14-12 ..... R  
 Methanol venture ..... N Apr 18 39

#### Vietnam

Peace could have a major indirect effect on the economy ..... N Jan 31 9  
 Peace mosaic of plastic tile lights up at Allied Chemical Tower ..... Feb 7 17  
 South Vietnam program for developing fertilizer manufacturing capacity ..... Feb 14 35  
 Vietnam starts the long journey back ..... Feb 7 54  
 Viewpoint — Jan 17-5 (letters Feb 14-5) (letter Mar 7-5); Jan 24-5 (letter Jan 31-3); Feb 7-5; Feb 28-5 (letters Mar 14-8; Mar 21-5; Apr 11-4); Apr 4-5; Apr 18-3; May 9-5; May 16-5 (letter June 6-5); May 30-5; June 13-5

Vinyl — Vinyl bubble will protect construction site from bad weather ..... N Feb 14 68

#### Vinyl Acetate

China will get petrochemical complex from France ..... N May 23 40  
 Kuraray sells plant to China ..... N Apr 4 41  
 Vinyl Chloride Monomers see Monomers  
 Vinylidene Chloride — Prices ..... N Mar 14 28  
 Vitamins — General Mills' vitamin E market continues strong ..... Mar 28 22  
 Vrablik, Edward — Swift president: Picking winners in chemicals and canines ..... June 20 40

## W

Wallcovering: Dream Wall paint-on 'wall-paper' ..... June 20 24

### Waste Disposal

Antitrash bill: Muskie bill would give EPA sweeping authority over solid-waste disposal and could create serious problems for makers of packaging materials ..... Jan 24 13  
 Contract waste treatment pay off: fast-growing service is built on low-cost plant operation ..... Apr 4 55  
 Corsica: Riots over deep-sea disposal of TiO<sub>2</sub> production wastes from Montedison's Scarlino plant ..... N Feb 28 43  
 Cyanamid proposing two alternative processes for titanium dioxide plant at Savannah, Ga., that yield gypsum as recoverable by-product from sulfuric acid wastes ..... Jan 10 16  
 Savannah, Ga. plant faces fines ..... Jan 31 16  
 Dow's Pittsburg, Calif., plant: Sun shines on plant's zero discharge goal ..... May 16 57  
 Ecology case: Supreme Court to review law banning discharging of industrial wastes into navigable waterways without a federal permit from the Army Corps of Engineers ..... Jan 3 14  
 1899 Refuse Act: High Court overrules decision restricting enforcement against PICCO ..... May 23 16  
 Evaporation system cuts treatment costs for hard-to-treat chemical wastes (table) ..... May 9 31  
 MCA report — "Plastics Waste Disposal Practices in Landfill, Incineration, Pyrolysis and Recycle" ..... Feb 28 51  
 Norwegian process mixes stack gases with sea water to produce a sulfate that can be disposed of in the sea ..... Apr 18 35  
 Ocean disposal: EPA permit program and Cyanamid's barging practices threatened by environmental group lawsuit ..... May 2 14  
 Ocean waste disposal permit applications: EPA issues new criteria ..... May 30 13  
 Solid-waste legislation: Nixon Administration and Congress headed for a confrontation ..... Feb 14 28  
 Solvay-process soda ash plants periled by pollution problems ..... Mar 7 40  
 Titanium dioxide makers seek alternatives to sea waste disposal ..... June 27 45  
 Wet combustion to destroy outdated naval ammunition may be tried ..... N Mar 21 41

### Waste Treatment

Allied's plant at Claymont: Delaware's first pollution control bonds will finance waste-treatment projects ..... N Apr 4 47  
 AICHE's meeting: Herbert Doan challenges engineers to solve waste treatment and energy problems, prove forecasts of doom are wrong ..... June 13 41  
 Army's Rock Island, Ill., arsenal will treat metal plating wastes in what is claimed

to be the largest reverse-osmosis unit ever built for industrial use ..... May 2 35  
 Calgon's Fountain Valley, Calif., plant is the largest granular carbon system for waste-water reclamation on record ..... N Feb 21 41  
 Contract waste treatment pay off: fast-growing service is built on low-cost plant operation ..... Apr 4 55  
 Dow will build a lagoon to treat effluents at its Midland, Mich., division ..... Mar 7 43  
 EPA proposes pretreatment standards for industrial wastes discharged to municipal treatment plants ..... N May 30 43  
 EPA spending for waste-treatment plants is falling short of expectations ..... N Apr 4 31  
 Evaporation system cuts treatment costs for hard-to-treat chemical wastes (table) ..... May 9 31  
 FMC purchases the Marox process from Martin Marietta ..... N Feb 14 68  
 Fieldcrest Mills' Vance spells out what he considers to be the necessary waste treatment priorities for the textile industry at SOGMA meeting ..... Feb 14 26  
 — letter ..... Mar 7 5

Houston Ship Channel waste water discharge permits hearings: EPA discouraging central w-t plants that can process effluent from several industrial plants ..... N May 23 39  
 Monsanto Envirochem's Landgard process will get a commercial test in Baltimore ..... N Feb 7 39  
 Norwegian process mixes stack gases with sea water to produce a sulfate that can be disposed of in the sea ..... Apr 18 35  
 Republic Steel agrees to install system to completely recycle all waste water at its South Chicago works ..... N Mar 7 43  
 Solvent extraction may pay off in waste-water cleanup (table) ..... Apr 11 34  
 SRI and San Antonio will test unusual process sequence for removing viruses, phosphates and most organic contaminants from municipal waste water ..... N Jan 31 39  
 Russia's crackdown on pollution may generate U.S. equipment sales ..... Jan 17 38  
 UC's Puerto Rican plant sets pollution control pace ..... Apr 25 47  
 West German biologic purification plant for industrial and communal effluent ..... R June 6 35

### Waste Utilization

Army's Rock Island, Ill., arsenal will treat metal plating wastes in what is claimed to be the largest reverse-osmosis unit ever built for industrial use ..... May 2 35  
 Cyanamid proposing two alternative processes for titanium dioxide plant at Savannah, Ga., that yield gypsum as recoverable by-product from sulfuric acid wastes ..... Jan 10 16  
 Savannah, Ga. plant faces fines ..... Jan 31 16  
 Power generation from garbage will be tested in two cities ..... N Mar 7 43  
 Recycling: Japanese process recycles scrap polytetrafluoroethylene economically ..... N June 6 56  
 Recycling: MCA report — "Plastics Waste Disposal Practices in Landfill, Incineration, Pyrolysis and Recycle" ..... Feb 28 51  
 Recycling: paper study of the 70-85 outlook for recycling by the Midwest Research Institute ..... Mar 21 23  
 Recycling: Republic Steel agrees to install system to completely recycle all waste water at its South Chicago works ..... N Mar 7 43  
 Westinghouse's Anderson, S.C., plant to recycle spent fuels from nuclear power plants ..... R Jan 3 16  
 Water — Bottled drinking water, FDA recommendations ..... R Jan 17 18

### Water Pollution

Control laws: good and bad news ..... N Mar 21 42  
 Dow's Pittsburg, Calif., plant: Sun shines on plant's zero discharge goal ..... May 16 57  
 Farmers Chemical's Tunes, N.C., fertilizer plant resumes operation ..... R Jan 10 18  
 Mercury: Canadian chlor-alkali producers lose court actions on mercury dumping charges ..... Apr 11 34  
 Mercury: Chisso Corp.'s record pollution damage penalty assessed ..... N Mar 28 32  
 N.J. Commission recommends sweeping changes in the state's water pollution control ..... Apr 4 27  
 Russia's crackdown on pollution may generate U.S. equipment sales ..... Jan 17 38  
 Supreme Court examines rights of individuals in suing companies: Birmingham, Ala., suit will not be heard; oral arguments on Vermont case will be heard ..... Feb 28 16  
 U.S. and Russian agreement for cooperation on w-p control technology ..... Apr 4 53  
 U.S. steel industry could do a lot better in its efforts to control pollution says Council on Economic Priorities study of 47 plants ..... May 23 18

### Water Supply

Alcoa, Tenn., reservoirs don a synthetic rubber coat ..... Apr 11 20  
 Desalting see Water Treatment  
 Utah bill would have empowered the state's land board to require removal or modification of any structure impeding "the natural flow and distribution of Great Salt Lake water" (table) ..... Mar 14 17

### Water Treatment

BASF and Ludwigshafen city to build water treatment plant ..... R Jan 17 44  
 Calgon's Fountain Valley, Calif., plant is the largest granular carbon system for waste-water reclamation on record ..... N Feb 21 41  
 Desalting  
 Reverse-osmosis equipment could get market lift from huge plant mapped by U.S. ..... June 13 17  
 Senate bill authorizing a program to control salinity in the Colorado River may give OSW new lease on life ..... N May 23 16  
 Single-pass desalting of sea water by reverse osmosis will be tried at Dow's Walnut Creek, Calif., research center ..... N Mar 14 39  
 Dow will build a lagoon to treat effluents at its Midland, Mich., division ..... N Mar 7 43  
 Gulf Coast Waste Disposal Authority, Tex., building first regional industrial waste-treatment installation ..... N Jan 31 39  
 Northeast Utilities asks for OK for nuclear generating plant at Millstone Point site in Waterford, Conn. ..... R Feb 28 19  
 Republic Steel agrees to install system to completely recycle all waste water at its South Chicago works ..... N Mar 7 43  
 Solvent extraction may pay off in waste-water cleanup (table) ..... Apr 11 34  
 SRI and San Antonio will test unusual process sequence for removing viruses, phosphates and most organic contaminants from municipal waste water ..... N Jan 31 39  
 UC's Puerto Rican plant sets pollution control pace ..... Apr 25 47

### Wax

Do-it-yourselfers help mold candlemaking into year-round business ..... Jan 24 33  
 Gaulin's package plant allows wax emulsion users to make their own ..... N May 16 47

### Welding

Flexible mating for heat-treating field welds by exothermic chemical reaction ..... Apr 4 51  
 U.S. Industries' welding technique makes field erection of big titanium, or titanium-clad, vessels possible ..... N Jan 17 35  
 Wine — Liquor ingredients labeling rule could mean switch in additives ..... May 16 31  
 Wood — Base-point pricing systems are coming under a new attack by FTC; initial thrust aimed at seven big softwood plywood makers ..... N Mar 21 27

## X

X-Rays — Airport security: new market for chemicals ..... May 2 25  
 — letter ..... June 20 5  
 Xylene — Amoco plans meta-xylene section at Texas City complex ..... N May 9 10

## Y

Yugoslavia — Joint venture to produce hydrogen peroxide and to expand sodium perborate capacity ..... R Feb 7 36

## Z

Zevenbergen, Bendert — Enka's president: Nationalism took a back seat to economics ..... Jan 24 48  
 Zinc  
 Outlook bright ..... Jan 3 13  
 Shortage shaping up ..... N May 2 18  
 Zinc Oxide — Thai plant near Bangkok ..... R Jan 17 44

### Author Index

Brooks, Kenneth  
 The U.S. engineering-construction industry: Is it ready for a building boom? ..... Mar 21 33  
 Burke, Donald P.  
 Forecast '73: Recovery gains speed ..... Jan 10 25  
 Research gets the word: if it doesn't fit — forget it ..... Feb 28 32  
 — letters ..... Mar 21 5  
 Kisin, Albert H.  
 Foreign forecast: World chemicals head for brighter future ..... Jan 24 25  
 Kline, Charles H.  
 Think small to make it big in specialty chemicals ..... Jan 17 27  
 Lombino, Anthony J.  
 When the safety sleuth comes to call ..... June 6 41  
 Schwartz, Irvin  
 More of management moves into environment picture ..... Feb 14 57  
 Stern, Homer  
 Chemical Week 300 ..... Apr 25 32  
 Winton, John M.  
 Trouble ahead for chemical transport ..... Jan 31 25

# Company Index A

|   |      |    |    |   |      |    |    |  |      |    |    |
|---|------|----|----|---|------|----|----|--|------|----|----|
| ADM — Soy granules and isolated soy protein   | May  | 9  | 26 | Multiplant bargaining with USW has vital implications for chemical management   | May  | 16 | 17 | Turchan, Thomas discusses international economics at DCAT  | Jan  | 24 | 13 |
| AE&CI — Sulfuric acid plant construction contract to Simon Gaves Africa   | Feb  | 14 | 34 | Multiplant pact could pave way to company-wide bargaining   | June | 20 | 14 | Urea-formaldehyde coating resins prices  | Jan  | 17 | 23 |
| Abadan Petrochemical — Contracts Lumus to triple PVC capacity   | Feb  | 21 | 39 | Peace mosaic of plastic tile lights up at Times Square Tower  | Feb  | 7  | 17 | Waste disposal suit will be brought by environmental group to prevent disposal of acid wastes from Warners, N.J. plant | May  | 2  | 14 |
| Abbott Laboratories — Hospital products plant at Sligo, Ireland   | Jan  | 17 | 25 | Projecting substantial gains in earnings in '73 and beyond  | Apr  | 18 | 13 | American Enka Co. — Lockhart: "I think polyester has become the new standard for apparel"                              | Feb  | 28 | 15 |
| Intravenous fluid lawsuit: company and executives indicted on 60 counts of marketing contaminated solutions in '71  | June | 6  | 36 | Reiter discusses zero discharge at aluminum sulfate plants at AICHE meeting   | June | 13 | 41 | Nylon filament carpet yarn capacity expansion  | Jan  | 3  | 16 |
| Weight-reducing drugs under fire  | Jan  | 17 | 14 | Sales and earnings for '72: Three come on strong  | Jan  | 24 | 15 | TWU agrees on a 2-year contract  | June | 20 | 16 |
| Aero Oil Companies — Acquired by Wipro  | Jan  | 10 | 18 | Schultze at Chlorine Institute meeting: Chlorine expansions will boost total U.S. capacity about 22% (chart)                                    | Feb  | 14 | 23 | American Hoechst — Brookhuis, John, president: His success is no fairy tale  | Mar  | 7  | 52 |
| Aerofel-General — Acquires Chemical Construction from Boise Cascade   | Feb  | 7  | 17 | Soda ash operation at Green River, Wyo., expansion  | Feb  | 7  | 17 | U.S. sales up in '72, expects '73 sales to top \$300 million   | Mar  | 7  | 16 |
| Air-bag safety systems' contracts   | Feb  | 21 | 19 | Allied Chemical Airframe — Teaming up with Jacks, Inc. to finance sales of private and corporate aircraft                                       | Feb  | 7  | 17 | American Home Products — Aspirin: FTC charges that ads for non-prescription analgesics were misleading                 | Mar  | 21 | 23 |
| Athyene Reinheitsgesellschaft — Rotterdam-Antwerp area will have access to ARG pipeline grid  | Jan  | 17 | 44 | Allied-Gulf Nuclear Services — Nuclear fuel reprocessing plant at Barnwell, S.C., on-stream by '75  | Mar  | 21 | 21 | American Lava — Concedes failures in tests of the ceramic substrates used in catalytic converters                      | Mar  | 28 | 23 |
| Agfa-Gevaert — Dispersion dyes for thermal printing   | Feb  | 28 | 47 | Alco Co. — Evaporator system for waste treatment  | May  | 9  | 31 | American Metal Climax — Meeting (annual): MacGregor predicts strong performance  | May  | 9  | 15 |
| Agroco Chemical — Agricultural chemical complex just east of Tulsa's Port of Catoosa planned  | Feb  | 14 | 23 | Altona Petrochemical Co. — Australian ethane pipeline controversy: Esso-BHP delivers feedstock across Australian bay after two-year delay (map) | Feb  | 28 | 25 | Sales and earnings, '72, estimated   | Jan  | 10 | 18 |
| Agricultural chemical plants planned at Donaldsonville, La., at Faustina, and at South Pierce, Fla.   | June | 6  | 29 | Aluminum Co. of America — Aluminum auto markets gain seen   | Jan  | 17 | 23 | AMAX Nickel Refining Co. — Freeport Minerals sulfur refining plant in Plaquemine                                       | Apr  | 4  | 29 |
| Phosphoric acid and sulfuric acid complex at Donaldsonville, La., planned   | Mar  | 7  | 16 | Aluminum product prices are firming   | Jan  | 24 | 19 | Metal refinery at Port Nickel, La., will be expanded   | Jan  | 17 | 35 |
| Agricultural & Industrial Corp. — Arranges Baker Industries sale of diammonium phosphate to China   | Apr  | 11 | 17 | BPA power cuts force production cut-backs   | Apr  | 25 | 21 | American Motors — License for U.S. rights to the Wankel engine obtained  | Feb  | 28 | 43 |
| Air Products & Chemicals — Air-separation plant near Sao Paulo  | Apr  | 25 | 21 | Dividends raised  | May  | 2  | 15 | American Petrofina — Acquisition of Sohio's BP refinery at Port Arthur, Tex.   | May  | 23 | 24 |
| Chemical employment is up (table)   | Apr  | 4  | 24 | Electrolytic process for aluminum will cut pollution; slash power requirements  | Jan  | 17 | 35 | Meeting (annual): first-quarter results  | Apr  | 18 | 14 |
| Industrial Gas Div. — gas sales spark a building boom   | June | 13 | 25 | Process will get its commercial test in a plant to be built at Palestine, Tex.  | June | 6  | 55 | American Science and Engineering — Micro Dose X-ray system — antiwicking device  | May  | 2  | 25 |
| Liquid oxygen and liquid nitrogen prices  | Feb  | 28 | 29 | Wash. planned   | Jan  | 24 | 9  | Electrolytic copper refinery near Amarillo, Tex., main by-product: silver  | Mar  | 14 | 19 |
| Liquid oxygen, nitrogen plants planned  | May  | 30 | 37 | Meeting (annual): Smelting process and aluminum markets   | Apr  | 25 | 18 | Hammick, Forrest optimistic for '73  | Feb  | 21 | 18 |
| R Feb 14-27   | May  | 30 | 37 | Mellon family asks Alcoa to offer stock   | Feb  | 21 | 21 | American Degradable PE bags  | Jan  | 24 | 39 |
| Middlesex County, N.J., zoning ban challenged   | June | 27 | 12 | Rollins resigned N Jan 10-23  | May  | 2  | 27 | Amoco Chemicals Corp. — Butane oxidation route to maleic anhydride to be commercialized at Joliet, Ill. complex        | May  | 9  | 33 |
| 73 outlook: Donley is looking at acquisitions in new business areas   | Feb  | 14 | 24 | Process produces low-cost, high-purity alumina fibers capable of withstanding temperatures above 3,300 F.                                       | Feb  | 14 | 65 | Chocolate Bayou, Tex., ethylene plant  | Apr  | 25 | 15 |
| Pensacola, Fla., plant once plagued with pollution woes will have a wildlife preserve   | May  | 23 | 40 | Rockdale, Tex., smelter closed two polluters because of energy shortage   | Jan  | 3  | 14 | Chocolate Bayou, Tex., polypropylene capacity will be expanded   | Mar  | 7  | 37 |
| PVC capacity takes off (table)  | Jan  | 31 | 13 | Aluminum Resources Development Co. Bauxite deposits in Ghana feasibility testing will continue  | Jan  | 3  | 13 | HDPE prices  | Mar  | 14 | 28 |
| Puerto Rican air-separation plant in Guayama has break in the cooling-water line affecting three pipeline customers                                       | Mar  | 14 | 11 | ALZA Corp. — Alza Pharmaceuticals see under name  | May  | 16 | 64 | Maleic anhydride project studied   | Mar  | 14 | 11 |
| Stock split, dividend increase planned  | Feb  | 7  | 12 | Alza Pharmaceuticals — Goldby, Steven, president: Chemist-lawyer takes new tack in drug R&D   | May  | 16 | 64 | Meta-xylylene section at Texas City complex planned  | May  | 9  | 10 |
| Sut in Florida against United Gas Pipeline to limit price increases   | Jan  | 10 | 17 | Amalgamated Dental International — British Oxygen acquires 12% share  | May  | 2  | 23 | Plastic grocery bags and substitutes for corrugated containers   | May  | 16 | 20 |
| Arco Inc. — Air-separation plant near Albany, N.Y. planned  | May  | 30 | 37 | Amox Lead — Buck, Mor., walkouts  | Apr  | 11 | 18 | PP expansions (table) Mar 14-19  | Apr  | 11 | 15 |
| Ferroalloy prices   | May  | 2  | 28 | Walkout ends  | Apr  | 25 | 21 | Polystyrene prices   | Feb  | 28 | 29 |
| Industrial Gases Div. — Gas sales spark a building boom   | June | 13 | 25 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Propylene expansion at Texas City  | Jan  | 17 | 15 |
| N.Y. financial analysts hear '72 report, '73 outlook  | Feb  | 7  | 16 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | TPA capacity at Decatur, Ill., upped   | Apr  | 11 | 20 |
| Sales and earnings, '72 estimates   | Jan  | 10 | 18 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Amoco Oil Co. — OCAW oil settlement costly   | Jan  | 17 | 21 |
| Titanium turnings reprocessed into an inexpensive alloy, Ultra-Ti   | May  | 9  | 33 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Pattern-setting agreement  | May  | 16 | 20 |
| Amoco — Will partner in building a plant in the U.S. to produce Seair's new amino acids-based sweetener   | May  | 23 | 39 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Ampak — Shrink-wrap palletizing  | May  | 16 | 20 |
| R May 9-17  | May  | 23 | 39 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Amcol Petroleum — Solvents plant at Lytton, refinery   | June | 20 | 19 |
| Akzo — European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad                                   | Apr  | 11 | 36 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Anaconda — Arbitrator hydrometallurgical process will be licensed  | Apr  | 25 | 44 |
| Sales and earnings, first-quarter '73   | May  | 23 | 46 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Chemical copper: New Anaconda process solves pollution problems  | Jan  | 24 | 37 |
| Akzona — American Enka see under name   | Apr  | 4  | 23 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Unit near Twin Buttes, Ariz., mine to extract copper from ore with sulfuric acid                                       | Feb  | 21 | 21 |
| Annual meeting: first-quarter earnings up   | Mar  | 28 | 21 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Anaconda Aluminum — Aluminum plant in Sebree, Ky., to operate under leasing arrangement                                | May  | 2  | 32 |
| Alberto-Culver — Kleen Guard polish for wood paneling   | Apr  | 18 | 20 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | BPA power cuts force production cut-backs Apr 25-21  | May  | 2  | 27 |
| Salon-permanent-wave market   | June | 6  | 71 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Andersons — Customer for IMC fertilizer plant  | May  | 2  | 27 |
| Alcan Aluminum — Aluminum prices  | Feb  | 14 | 53 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Anheuser-Busch — Protein isolated from bakers' yeast is bidding to go commercial                                       | June | 20 | 31 |
| Alta-Laval — Foam scrubber to clean stack gases   | May  | 23 | 39 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | ANIC — Acrylonitrile plant at Gela, Sicily   | Apr  | 11 | 20 |
| Algonquin SNG — Incremental feedstocks costs may be passed along to consumers who use them to produce SNG   | Feb  | 14 | 18 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Budapest: rubber plant at Ravenna  | Jan  | 10 | 46 |
| All Phase Color — Acquired by Kewanee Oil   | Apr  | 25 | 21 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Phillips Petroleum technology  | Jan  | 10 | 46 |
| Allen-Consol — Study of the European plastics additives industry (table)  | Apr  | 4  | 33 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Capital spending boost   | Feb  | 21 | 37 |
| Allied Chemical — Air-bag safety systems' contracts   | Feb  | 21 | 19 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Petroleum-derived protein plant at Sardoch, Sardinia   | Mar  | 7  | 20 |
| Air cushion rolls on — letter   | Jan  | 31 | 13 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Sales and earnings in '72  | May  | 9  | 28 |
| Anhydrous flake calcium chloride plant near Syracuse, N.Y.  | Jan  | 31 | 15 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Ansil — ANSAR organic arsenical herbicides production expansion  | May  | 16 | 25 |
| Annual meeting: '73 outlook   | May  | 2  | 12 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Antimony Products — Formed to produce crude antimony oxide in South Africa   | May  | 30 | 47 |
| Belgian plant to manufacture components for automobile safety belt  | Jan  | 17 | 44 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | APCO Group — Will own 20% of Northwest Pipeline  | Mar  | 14 | 23 |
| Birmingham, Ala., pollution suit will not be heard by Supreme Court   | Feb  | 28 | 16 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Apco Oil — Solvents division to be sold to Ashland Chemical  | Apr  | 11 | 19 |
| Dye producers receive subpoenas in a Justice Dept. investigation of industry pricing practices  | Feb  | 21 | 18 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Aquachlor — Formed to operate calcium hypochlorite plant in South Africa   | Jan  | 24 | 32 |
| Industrial Chemicals and Specialty Chemicals divisions plants at Claymont, Delaware's first pollution control bonds will finance waste-treatment projects | Apr  | 4  | 47 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Aquatrol — Mislabeling disinfectants and pesticides charged  | Jan  | 17 | 19 |
| Israel asks company to compensate the state for what it calls "heavy losses"  | Apr  | 4  | 47 | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | ARCO Nuclear — Nuclear-powered pace-makers   | Apr  | 18 | 15 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Arizona Chemical — Schmidt, Joseph, president and chief executive officer. On his toes in boardroom and ballroom       | Apr  | 11 | 40 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Armco Steel — Air pollution suit in Houston settles  | June | 6  | 29 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Armour Leather — Xylex, Synthetics aim for bigger cut of shoe market   | Mar  | 7  | 35 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Armstrong Cork — Stepan Chemical purchases the foam systems business   | Jan  | 31 | 15 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Arvin Industries — Maremont's antitrust counterclaim suit seeks triple damages   | Jan  | 31 | 15 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Asahi Chemical Industry — Acrylic fiber plant for India  | Mar  | 7  | 20 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Acrylonitrile unit using Sohio technology sold to Peking; now trying to sell an acrylic fiber unit                     | Mar  | 28 | 32 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Glass-fiber products joint venture, Asahi-PPG, Ltd.  | Apr  | 18 | 15 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | HOPE technology licensed to Pemex  | May  | 2  | 23 |
|   |      |    |    | American Can — Alexander, Judd focuses on attacks being made on packaging, at DCAT  | Mar  | 24 | 13 | Japan acts against fiber cartel  | Jan  | 3  | 29 |

|   |      |      |    |    |
|---|------|------|----|----|
| Nylon capacity expanding  | N    | Mar  | 14 | 33 |
| Sales and earnings, fiscal '72  | N    | Mar  | 23 | 43 |
| Asahi-PPG, Ltd. — Formed  | R    | Apr  | 18 | 15 |
| Ashland Chemical — Acquisition of Apco Oil's solvents division  | R    | Apr  | 11 | 19 |
| Amminides: multifunctional aminimides made by synthesis single-step bid for many jobs                         | N    | Mar  | 28 | 26 |
| Amminides: new family of chemicals  | N    | Mar  | 21 | 42 |
| Cleveland foundry resins plant will increase capacity   | R    | June | 6  | 29 |
| Maleic anhydride plant in the Midwest planned   | R    | Mar  | 30 | 15 |
| Polyester resin expansion   | R    | Mar  | 28 | 31 |
| Ashland Oil — Philblack, Ltd. rejects acquisition offer   | R    | Apr  | 25 | 21 |
| Projecting substantial gains in earnings in '73 and beyond  | R    | Apr  | 18 | 13 |
| Refinery construction and expansion planned   | May  | 2    | 9  |    |
| Vinyl bubble will protect construction site from bad weather  | N    | Feb  | 14 | 68 |
| Ashland Oil Canada — Fire company demolishes resins and chemical division operations                          | May  | 23   | 21 |    |
| L'Association du Steamcracking — Ethylene unit at Feyzin may boost capacity                                   | N    | May  | 16 | 27 |
| Atlantic Richfield — Negotiating to sublease Fort Madison, Ia., agricultural chemicals plant to CF Industries | R    | Apr  | 25 | 16 |
| Sublease may be delayed at the request of the Justice Dept.   | June | 6    | 25 |    |
| OCAW gets new two-year contracts  | Jan  | 17   | 21 |    |
| Refinery capacity boosts at Carson, Calif., and Philadelphia  | R    | June | 20 | 16 |
| Atlas Corp. — Uranium concentrates sales  | R    | May  | 30 | 15 |
| Atomic Energy of Canada Ltd. — Heavy water plant will be fully operational later this year                    | N    | Apr  | 18 | 39 |
| Australian Petrochemicals — Profits down in '72   | R    | June | 20 | 19 |
| Avco Corp. — Coal-based process will enable acetylene to make a comeback                                      | Mar  | 14   | 40 |    |
| Avesta Jernverk — Ion-selective electrode provides more accurate pickling control                             | Jan  | 24   | 37 |    |
| Avmetco Corp. — Sanilan, control for odors  | Mar  | 14   | 42 |    |

## B

|  |      |      |    |    |
|--|------|------|----|----|
| Badger Corp. — Acrylonitrile plant at Gela, Sicily, for ANIC   | R    | Apr  | 11 | 20 |
| Styrene plant for Montedison   | R    | Jan  | 10 | 46 |
| Badische Anilin- & Soda-Fabrik — Anthraquinone from styrene, new process   | N    | Apr  | 4  | 47 |
| Capital spending plans for '73   | N    | Jan  | 24 | 31 |
| Chemical workers to get wage hike of 10.6-10.8%, retroactive to Apr. 1   | N    | May  | 30 | 49 |
| European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad | Apr  | 11   | 36 |    |
| GAV's mining tunnel directly under the Huel's complex causes damage, but Huel's cannot sue either GAV or BASF    | Feb  | 21   | 38 |    |
| Mannesmann Wyandotte see under name  |      |      |    |    |
| Negotiating the sale of three chemical plants to USSR  | Mar  | 28   | 32 |    |
| Sales and earnings, first-quarter '73  | N    | May  | 16 | 27 |
| capital spending   | N    | June | 27 | 37 |
| First-half sales   | N    | June | 27 | 37 |
| Urethane plant company is embroiled in three-way court battle in Germany   | Mar  | 21   | 49 |    |
| Sweden over construction contract  | Jan  | 17   | 44 |    |
| Water treatment plant for Ludwigshafen   | Jan  | 17   | 44 |    |
| West Germany's new investment tax will cost BASF about \$23 million  | N    | June | 27 | 37 |
| LNG plants   | May  | 2    | 33 |    |
| BASF-Lurgi — Gasyntan process for U.S.   | May  | 2    | 33 |    |
| BASF-Sandoz — Plant to make anthraquinone and amino derivative at BASF Antwerpen                                 | N    | Apr  | 4  | 47 |
| N.V.'s site  | N    | Apr  | 4  | 47 |
| BASF-Wyandotte — OCAW settlement at Geismar, La.   | Jan  | 17   | 21 |    |
| TDI plant at Geismar, La. expansion  | R    | May  | 2  | 15 |
| Bakelite Xylotite Ltd. — UC acquires 100% ownership of BXL by buying out Distillers Co.                          | June | 6    | 27 |    |
| Baltimore Gas & Electric — Monsanto Environmental's Landgard process will get a commercial test                  | N    | Feb  | 7  | 39 |
| Barnegato Concessions, Ltd. — Nickel-copper matte for AMAX   | N    | Jan  | 17 | 35 |
| La Banque Francaise de Commerce Extérieur — Petrochemical complex planned for Kuwait                             | N    | Apr  | 25 | 27 |
| Barber-Colman Co. — Possible bidder for technique for Navy to destroy outdated ammunition                        | N    | Mar  | 21 | 41 |
| Barium Chemicals — Fertilizer plant in India proposed  | Feb  | 7    | 36 |    |
| Barnesberger — Sales and earnings rise in '72  | Mar  | 21   | 49 |    |
| Barnesby-Cheney — Scentometer can be used for field measurements   | Mar  | 14   | 35 |    |
| Batterson Co. — Battery-operated mini-bus  | Apr  | 18   | 13 |    |
| Baychem Corp. — Chemagro Div. — Monitor 4 banned by EPA  | N    | Mar  | 14 | 23 |
| Mobay Div. — glazing markets for polycarbonate   | May  | 16   | 37 |    |
| Bechtel Inc. — Chlorine plant for BP Chemicals at Baglan Bay, South Wales  | R    | Jan  | 3  | 29 |
| Oxy signs fertilizer deal with Russians  | N    | Apr  | 18 | 9  |
| Beckman Instruments — Lab computers do it faster   | May  | 9    | 36 |    |
| Beker Industries — Diammonium phosphate  |      |      |    |    |

|  |      |      |    |    |
|--|------|------|----|----|
| sale to China  | Apr  | 11   | 17 |    |
| Stock going public   | N    | May  | 2  | 8  |
| Belco Petroleum — Natural gas price hike approved by FPC   | N    | June | 6  | 22 |
| Belinka — Joint venture with Interox to produce hydrogen peroxide and to expand sodium perborate capacity                        | R    | Feb  | 7  | 36 |
| Bell & Howell — Kodak charged with blocking competition in amateur photo equipment   | Jan  | 17   | 21 |    |
| Bell Telephone Laboratories — Tests on potential auto exhaust catalysts, lanthanum lead manganite compounds                      | N    | Feb  | 7  | 39 |
| Bendix Corp. — Baggage inspection systems use fluoroscopic screens   | May  | 2    | 25 |    |
| Berkey Photo — Suing Eastman Kodak for triple damages for attempts to monopolize the photographic industry                       | R    | Feb  | 7  | 17 |
| Bethlehem Steel — Process recovers carbon monoxide from fuel gas   | N    | Feb  | 21 | 41 |
| Beverly Industries — Corfam synthetics aim for bigger cut of shoe market   | Mar  | 7    | 35 |    |
| Bharat Nylons — Nylon plant planned  | R    | Jan  | 17 | 44 |
| Bibbs Co. — National Distillers retains Bibbs to manage its subsidiary Inwood Knitting Mills                                     | R    | Feb  | 14 | 27 |
| Big Three Industries — Gas sales spark a building boom   | June | 13   | 25 |    |
| Purchases hydroquinone plant from Signal Chemical  | N    | Feb  | 14 | 53 |
| Black & Decker — Hot-chamber magnesium casting machine   | Jan  | 17   | 24 |    |
| Block Drug — Hoffman-La Roche's Romil and Zestabs lines bought   | N    | June | 13 | 21 |
| Boise Cascade — Aerojet-General acquires Chemco  | R    | Feb  | 7  | 17 |
| Base-point pricing under attack  | N    | Mar  | 21 | 27 |
| Borden Chemical — Phosphates prices  | N    | Mar  | 21 | 31 |
| PVC capacity takes off (table)   | Jan  | 31   | 13 |    |
| Borden, Inc. — Licensing agreement for some Monsanto PVC technology  | N    | Apr  | 11 | 13 |
| Borg-Warner — ABS capacity of nearly 1 billion lbs. is company's goal for '75  | R    | Mar  | 21 | 24 |
| Nonylphenol plant at Morgantown, W.Va.   | R    | Apr  | 18 | 15 |
| Weston Chemical Div. — organic phosphate capacity boost at Morgantown, W.Va.   | R    | Apr  | 18 | 15 |
| Bourque — Musk chemicals have the sweet smell of success   | Feb  | 21   | 49 |    |
| Bowers Printing Ink Co. — Acquired by Mallinckrodt Chemical  | R    | Jan  | 17 | 18 |
| Bristol Laboratories — Anticancer drugs, developed by National Cancer Institute, to be made and sold                             | N    | Jan  | 10 | 41 |
| Bristol-Myers — Aspirin: FTC charges that ads for non-prescription analgesics were misleading denied                             | Mar  | 21   | 23 |    |
| Deodorants and antiperspirants: FTC orders manufacturers to document ad claims   | June | 6    | 26 |    |
| British Gas Corp. — CRG process for U.S. SNG plants  | May  | 2    | 33 |    |
| Gas strike may clobber Britain's chemical makers   | N    | Feb  | 21 | 37 |
| British Hydromechanics Research Corp. — Attachment has the effect of boosting stack height 20%                                   | N    | May  | 23 | 40 |
| British Oxygen — Acquisitions: Medical Developments Ltd., 50% interest in Mediads, 12% share of Amalgamated Dental International | R    | May  | 2  | 23 |
| British Petroleum — Alaska pipeline: another snag  | Feb  | 21   | 21 |    |
| Petroleum-derived protein plant at Sardinia, Sardinia  | R    | Mar  | 7  | 20 |
| Polyester fabricating business at Gloucester sold to a U.K. packaging firm   | R    | Apr  | 11 | 20 |
| Sells ICI its 50% stake in Honeywell-Atlas   | R    | Apr  | 11 | 20 |
| Sells 20% interest in Kuwait Chemical Fertilizer   | R    | Apr  | 11 | 20 |
| BP Chemical International — Acetic acid plant at Hull, Yorkshire, started up   | R    | Mar  | 14 | 31 |
| Chlorine plant at Baglan Bay, South Wales  | R    | Jan  | 3  | 29 |
| Cumene oxidation process for Mexican phenol plant  | R    | Feb  | 7  | 36 |
| Ethylene plant at Baglan Bay fine: BP will be searching Europe for ethylene to supply downstream plants                          | N    | Feb  | 14 | 31 |
| HDPE plant at Grangemouth, Scotland, to up capacity  | R    | May  | 23 | 46 |
| High-molecular-weight polymers as materials for drums  | N    | May  | 23 | 39 |
| Phthalic anhydride plant at Hull, Yorkshire, being brought back into production  | R    | Apr  | 4  | 29 |
| VCM plant at Baglan Bay, Wales, not yet in full operation  | N    | Jan  | 17 | 23 |
| Plant shut down  | N    | June | 27 | 33 |
| British Titan — Titano S.A. see under name   |      |      |    |    |
| TiO <sub>2</sub> plant at Huelva, Spain, planned   | R    | Feb  | 28 | 23 |
| Brookway Glass — Acquisition of Prototype Packaging  | R    | June | 13 | 21 |
| Plastic container plant at Nashua, N.H.  | R    | May  | 16 | 25 |
| Broken Hill Pty. — Monsanto may join BHP in building styrene monomer plant in Australia  | N    | June | 6  | 33 |
| Brush Wellman — Hayward, Calif., beryllium metal components plant being closed   | R    | June | 6  | 29 |
| Bryton Chemicals — Witco acquires plant at Trainer, Pa.  | R    | May  | 23 | 24 |
| Bunawerke Huel's — Contract with Stero-kauschwerke   | R    | Jan  | 10 | 46 |
| Bunker Hill Co. — Contract to Holmes & Narver for copper plant   | Apr  | 25   | 44 |    |
| Lead smelter in Kellogg, Id., will test process for removing sulfur dioxide from smelter stacks                                  | N    | Apr  | 18 | 39 |

## C

|   |      |      |    |    |
|---|------|------|----|----|
| Cof Chime — Ethylene Plastique see under name   |      |      |    |    |
| Franco-Greek syndicate plans LDPE plant at Corinth, Greece  | N    | June | 13 | 39 |
| LDPE plant at Moselle will increase capacity  | R    | Apr  | 18 | 29 |
| Petrochemical complex planned for Kuwait  | N    | Apr  | 25 | 27 |
| Sales in '72  | R    | Mar  | 7  | 20 |
| C.E.C. International — Camboean French refinery project possible  | N    | Apr  | 18 | 31 |
| CF Industries — Atlantic Richfield negotiating to sublease its Fort Madison, Ia., agricultural chemicals plant to CF              | R    | Apr  | 25 | 16 |
| Sublease may be delayed at the request of the Justice Dept.   | June | 6    | 25 |    |
| Cyanamid removes fertilizer outlets from list of assets involved in negotiations  | N    | Jan  | 24 | 9  |
| Negotiations for the purchase of Cyanamid's plant food business broken off  | N    | Feb  | 7  | 9  |
| Phosphoric acid buildup   | N    | Feb  | 7  | 33 |
| Urea unit at Donaldsonville, La.  | R    | Feb  | 7  | 21 |
| Cabot Corp. — Cab-O-Sil Div. hikes capacity for fused silica at Tuscola, Ill.   | R    | Mar  | 21 | 24 |
| Calatrava — Carbon black capacity expansion at Santander, Spain   | R    | May  | 9  | 28 |
| Calgon Corp. — Agreement in principle to sell assets and license patents on reverse osmosis and ultrafiltration to UOP            | R    | Feb  | 28 | 19 |
| Fountain Valley, Calif., plant is the largest granular carbon system for wastewater reclamation on record                         | N    | Feb  | 21 | 41 |
| Reverse-osmosis: Haven Industries and patents will be sold to UOP   | N    | Feb  | 21 | 41 |
| Canadian Cellulose — Celanese sells Cel-Cel to B.C. government  | Apr  | 11   | 19 |    |
| Canadian Electrolytic Zinc — Sulfuric acid production to double; zinc plant in Valleyfield, Que., expansion                       | R    | Jan  | 17 | 44 |
| Canadian General Electric — Heavy water plant will be fully operational later this year   | N    | Apr  | 18 | 39 |
| Canadian Industries, Ltd. — Chlor-alkali plant at Beauséjour, Que.  | R    | Jan  | 31 | 22 |
| Sales and earnings for '72  | R    | Feb  | 7  | 31 |
| '73 first quarter   | R    | May  | 9  | 28 |
| Sulfuric acid prices  | N    | Feb  | 7  | 23 |
| Canadian Occidental Petroleum — Sulfur price hike   | N    | Feb  | 7  | 23 |
| Carboline Co. — Intumescent paints  | May  | 23   | 41 |    |
| Carborundum Co. — Kynol phenolic fiber: producers feel generic names for fibers could boost sales                                 | Mar  | 14   | 42 |    |
| Cargill — Supplying salt customers from inventory in the wake of a cave-in at Belle Island, La., mine                             | N    | Mar  | 28 | 27 |
| Carter-Wallace — Deodorants and antiperspirants: FTC orders manufacturers to document ad claims                                   | June | 6    | 26 |    |
| Carter-Wallace — Mesoprobamate patent: Supreme Court is asked to define the scope   | May  | 2    | 13 |    |
| Weight-reducing drugs under fire  | N    | Jan  | 17 | 14 |
| Carus Chemical — Hydroquinone and manganate sulfate capacity at LaSalle, Ill. expansion   | R    | Mar  | 28 | 23 |
| Carver-Greenfield — Multiple-effect evaporator cuts costs of treating pharmaceutical and food processing wastes (table)           | May  | 9    | 31 |    |
| Casco — Sales and earnings rise in '72  | Mar  | 21   | 49 |    |
| Caswell-Massey — Musk chemicals have the sweet smell of success   | R    | Feb  | 21 | 49 |
| Catalphote Corp. — Acquired by Ferro  | R    | June | 20 | 16 |
| Carluk, L.D. Co. — Pl and feature sealants  | Mar  | 7    | 47 |    |
| Celanese Corp. — Brooks paints: a bright picture of '73 chemical prospects for financial analysts                                 | Mar  | 28   | 22 |    |
| Liquid chemicals minimum bulk shipment size of 32,000 lbs. for N.Y. Metropolitan area deliveries set                              | N    | May  | 30 | 37 |
| Management reorganization: John Macomber named president  | May  | 2    | 13 |    |
| Meeting (annual): first-quarter results   | June | 6    | 5  |    |
| Mitchell, Robert V.P. — His style calls for personal involvement  | May  | 23   | 56 |    |
| Sales and earnings in '72   | R    | Feb  | 28 | 19 |
| Sohio's propylene-to-acrylic process wins first U.S. assignment   | Jan  | 24   | 37 |    |
| Celanese Canada — Columbia Cellulose up for sale again; tentative agreement to sell some operations to Weyerhaeuser falls through | Feb  | 21   | 18 |    |
| Celanese still formulating specific proposal regarding disposition of CCC   | Mar  | 28   | 22 |    |
| Celanese will sell CelCel to B.C. provincial government (78%) and the subsidiary's minority holders (21%)                         | Apr  | 11   | 19 |    |
| Celanese Chemical — Annual report includes operating results  | Mar  | 21   | 22 |    |
| Celcon acetal copolymer prices  | N    | Feb  | 14 | 53 |
| Haude, William not being considered for high post at Plastics Div. (correction)   | N    | Jan  | 3  | 7  |
| Prices of methanol and acetic acid  | N    | Feb  | 21 | 25 |
| Celanese Fibers — TWUA contract signed  | R    | June | 27 | 15 |
| Celanese Plastics — HDPE prices   | N    | May  | 23 | 31 |
| N Feb 28-29   | N    | May  | 23 | 31 |
| KCEL Corp. takes over the Newark and Belvidere, N.J., cellulose plastic film and sheet plants                                     | R    | Jan  | 31 | 15 |
| Centerchem, Inc. — Charges glyoxal price cuts can't be justified  | Jan  | 24   | 21 |    |
| Central Canada Potash — Potash prorationing: company seeks court test   | N    | Jan  | 31 | 19 |
| CCP loses another round   | N    | Feb  | 14 | 53 |



|   |      |      |    |  |  |      |      |    |   |   |      |      |    |    |  |  |
|---|------|------|----|--|--|------|------|----|---|---|------|------|----|----|--|--|
| Certain-Teed Products — Acquisition of PPG's glass fiber insulation assets  | R    | Mar  | 28 | 23   | printing   | Feb  | 28   | 47 | Continental Can — ECC moves to block CC's acquisition of a Dutch packaging company overturned by Court of Justice; however the court affirmed the commission's authority to control multinational mergers that lessen competition | N   | Feb  | 28   | 23 |    |  |  |
| PVC polymerization plant at Lake Charles, La., three new PVC pipe plants and six glass-fiber plants   | N    | Apr  | 18 | 25   | Sales in '72   | R    | Mar  | 7  | 20  | Continental Oil — Bryton Chemicals synthetic petroleum sulfonates plant at Trainer, Pa., closing because of labor problems  | R    | Apr  | 4  | 29 |  |  |
| Champion International — Base-point pricing under attack  | N    | Mar  | 21 | 27   | Cie. Francaise de l'Azote — Fertilizantes Fosfatados Mexicanos will buy phosphoric acid  | N    | Apr  | 18 | 25  | Chinese talks discuss exploitation of possible oil reserves in the outer continental shelf under the China Sea  | May  | 30   | 14 |    |  |  |
| Houston Ship Channel waste water discharge permits hearings: EPA discouraging central waste treatment plants that can process effluent from several industrial plants | N    | May  | 23 | 39   | Cie. Francaise Goodyear S.A. — Widmer says changeover to powder rubber processing will ultimately make obsolete all of the mixing equipment now in use | May  | 23   | 25 | McClellan, John C. at AIChE meeting   | Mar   | 21   | 45   |    |    |  |  |
| \$100,000 air pollution fine levied against Pasadena, Tex., plant   | N    | Mar  | 21 | 18   | Cities Service — Copper sulfate prices   | N    | Mar  | 14 | 28  | OCAM serves strike notices  | Jan  | 24   | 15 |    |  |  |
| Chantier de l'Atlantique — "The world's largest" methane tanker, Gadania, delivers first full cargo of LNG to Japan   | Jan  | 24   | 15 | Levey Div. ink factory and warehouse in Chicago destroyed by explosion and fire        | June   | 6    | 28   |    |   | Petroleum coke manufacturing plant in France planned  | R    | Apr  | 4  | 29 |  |  |
| Chatham Mgt. Co. — Scott-Chatham Co. see under name   |      |      |    | Philblack will recommend that shareholders accept joint bid                            | May  | 16   | 22   |    |   | Witco acquires Bryton Chemicals plant at Trainer, Pa.   | R    | May  | 23 | 24 |  |  |
| Chem Systems — Contract for Algerian petrochemical complex  | R    | Mar  | 7  | 20   | Phosphate fertilizer complex and phosphate rock mining and recovery operations in Florida sold to Soc. des Participations Gardiner                     | N    | Feb  | 7  | 9   | Cooper Laboratories — Fisons pays \$8 million for worldwide rights to six drug products   | June | 6    | 35 |    |  |  |
| Chemical Minerals — Buy back the 25% interest in Tantalum Mining sold to Manitoba Development   | R    | May  | 30 | 15   | Cities Service Gas — Studying projected for four coal gasification plants and a 700-mile pipeline  | N    | Mar  | 28 | 25  | Cooper Tire & Rubber — Radial tires production will begin at Texarkana  | R    | May  | 9  | 17 |  |  |
| Chemtron Corp. — Air-separation plant at Tulsa  | R    | May  | 30 | 15   | Cities Service Gas — Studying projected project for four coal gasification plants and a 700-mile pipeline  | N    | Mar  | 28 | 25  | Cooperative Farm Chemicals Assn. — Urea fertilizer plant at Lawrence, Kan., planned   | R    | Apr  | 18 | 15 |  |  |
| Antimony Products Ltd. formed   | R    | May  | 30 | 47   | Cities Service S-G — SNG plant: definitive design will start shortly   | May  | 23   | 40 |   | Cordova Chemical — Fine organic chemicals expansion at Sacramento, Calif.   | R    | Apr  | 18 | 15 |  |  |
| Gas sales spark a building boom   | June | 13   | 25 | Cleveland-Cliffs Inc. — Verduca Gas process may end oil-from-shale bottleneck          | Apr  | 18   | 33   |    |   | Coming Glass — Agreement to supply at least 20% of Ford's ceramic substrates to be used in catalytic converter systems  | R    | May  | 30 | 15 |  |  |
| '72 sales and earnings: preliminary report  | Jan  | 3    | 12 | Cleveland Consolidated — Boulby, Yorkshire, potash mine expects full production by '74 | R  | Mar  | 14   | 31 |   | Corporacion Venezolana del Petroleo — Methanol venture  | N    | Apr  | 18 | 39 |  |  |
| Chemi-Gruenthal GmbH — Thalidomide drug, Contergan, agreement on damages  | Feb  | 7    | 15 | Climax Molybdenum — Chemical uses: best bet in molybdenum's future                     | Jan  | 3    | 18   |    |   | Courtaulds, Ltd. — Acquires ICI's Intex plant at Larne, Northern Ireland  | Feb  | 28   | 15 |    |  |  |
| Chemical Construction Corp. — Acquired by Aerojet-General   | R    | Feb  | 7  | 17   | Clorox Co. — Clorox 2, non-chlorine bleach   | Apr  | 25   | 51 |   | Expansion of nylon, polyester and acrylic fiber units planned   | Feb  | 28   | 15 |    |  |  |
| Algerian NGL plant at Arzew   | R    | Feb  | 14 | 34   | Coahoma Chemical — EPA's Ruckelshaus did not need to file an environment impact statement prior to his decision to ban DDT                             | R    | Jan  | 10 | 18  | Ireland: integrated fiber and textile complex planned at Campsie  | R    | May  | 2  | 23 |  |  |
| Complex that will liquefy Sahara gas will be built at Arzew   | N    | Apr  | 11 | 13   | Coastal States Gas Producing Co. — Colorado Interstate Corp. becomes subsidiary  | Jan  | 3    | 16 |   | Ireland: polyester fiber complex at Letterkenny, Donegal, planned   | N    | Mar  | 21 | 47 |  |  |
| Chemische Werke Huels — GAV's mining tunnel directly under Marl complex causes damage, but Huels cannot sue either GAV or BASF  | Feb  | 21   | 38 |  | Natural gas curtailments hearings begin  | June | 20   | 13 |   | Sales and earnings, fiscal '72  | R    | June | 20 | 19 |  |  |
| Mölkemeyer, Karl president: A late start didn't keep him from winning   | Mar  | 14   | 48 |  | Sharp curtailment of natural gas supplies hampers production   | June | 13   | 13 |   | Test marketing, Kesp., a "synthetic spun melt" derived from soybeans  | N    | May  | 2  | 31 |  |  |
| Sales in '72  | R    | Feb  | 21 | 39   | Texaco-Coastal States deal challenged by Justice Dept. antitrust suit  | June | 20   | 13 |   | Courtaulds North America — Fiber prices   | N    | Apr  | 25 | 30 |  |  |
| First four months of '73  | R    | June | 20 | 19   | Coldgas Trading Ltd. — "The world's largest" methane tanker, Gadania, delivers first full cargo of LNG at Osaka Gas terminal                           | Jan  | 24   | 15 |   | Croshaw Engineers — Establishes an office in Larchmont, N.Y.  | R    | May  | 9  | 28 |  |  |
| Sterco-Auscheverke see under name   |      |      |    |  | Colgate-Palmolive — Acquisition of Helena Rubinstein   | May  | 30   | 15 |   | Crompton & Knowles — Chemical Group president William Ferracane: When it comes to profits he's wide awake   | May  | 9    | 40 |    |  |  |
| Chemor Corp. — Strengthening its patent position in dimensionally stable anodes   | N    | Mar  | 14 | 40   | Detergent marketers bracing for a major promotional battle in N.Y. as the state-wide ban on phosphate detergents takes effect                          | June | 6    | 36 |   | Delecluse at CMRA predicts fiber consumption  | May  | 16   | 21 |    |  |  |
| Chemplex Co. — Mitsubishi looking for PP joint venture with U.S. partner  | N    | Feb  | 21 | 37   | Stock offering of shares for the Kendall family and various Kendall trusts   | R    | Feb  | 21 | 21  | Cros, S.A. — Spanish government encouraging the construction of chemical plants big enough to compete in Europe   | Apr  | 18   | 27 |    |  |  |
| Chemtex Fibers — Engineering for Indian nylon tire cord plant   | R    | Feb  | 21 | 39   | Stock splits   | Feb  | 21   | 21 |   | Crown Central Petroleum — Houston Ship Channel waste water discharge permits hearings: EPA discouraging central waste treatment plants that can process effluent from several industrial plants | N    | May  | 23 | 39 |  |  |
| Negotiating deal with Technimach for polyester staple plant at Mogilev  | R    | Feb  | 21 | 39   | Collier Carbon & Chemical — U.S.-Japanese methanol venture being planned for Alaska  | N    | June | 20 | 20  | Crown Zellerbach — Japanese joint packaging venture, 50% interest sold to Dainippon Ink   | R    | May  | 2  | 15 |  |  |
| Russian polyester staple plant: Uhde beats out Chemtex for contract   | N    | May  | 30 | 49   | Collo GmbH — Sanilan, control for odors, developed   | Mar  | 14   | 42 |   | Oxygen pulping will be commercially available in five years, says Barton  | Mar  | 14   | 21 |    |  |  |
| Cherifien des Phosphates — Phosphoric acid plant planned for Morocco  | N    | Feb  | 28 | 23   | Colorado Interstate Corp. — Becomes subsidiary of Coastal States Gas Producing Co.   | R    | Jan  | 3  | 16  | Cryoplasts Ltd. — Air-separation plant for Cia. Sideurgica da Amazonia  | R    | Jan  | 17 | 44 |  |  |
| Cherokee Nitrogen — Ammonium nitrate warehouse at Pryor, Okla., fire and explosion  | N    | Jan  | 24 | 19   | Columbia Cellulose Co. — Celanese agreement to sell some operations to Weyerhaeuser falls through  | Feb  | 21   | 18 |   | Air-separation plant for Korea's Hyundai Construction   | R    | Feb  | 7  | 36 |  |  |
| Chevron Chemical — Charged with shipping misbranded pesticides  | N    | Mar  | 7  | 9  | Celanese still formulating specific proposal regarding disposition of GCC  | Mar  | 28   | 22 |   | Curtis-Howard — American Motors obtains a license for U.S. rights to the Wankel engine  | N    | Feb  | 28 | 43 |  |  |
| Malic anhydride project studied   | N    | Mar  | 14 | 23   | Celanese will sell ColCel to B.C. provincial government (79%) and the subsidiary's minority holders (21%)  | Apr  | 11   | 19 |   | Cutter Laboratories — Annual meeting: Pres. Cutter says it would be "inappropriate to speculate" on effect of recall of 5% dextrose intravenous solutions                                       | Apr  | 4    | 23 |    |  |  |
| Monitor 4 banned by EPA   | N    | Mar  | 14 | 23   | Columbia Cement Filter Corp. may buy operations in Ohio and Wash.  | R    | Feb  | 14 | 27  | Recall of intravenous 5% dextrose solutions made at Chattanooga, Tenn. suspends dividends, postpones earnings report  | R    | May  | 9  | 17 |  |  |
| China Petrochemical Corp. — Sohio's process to make acrylonitrile licensed  | R    | May  | 30 | 47   | Commercial Solvents — Ralgron: DES alternatives suspected of being carcinogenic  | May  | 9    | 16 |   | Cyanenka S.A. — Barcelona plant expansion   | Apr  | 25   | 18 |    |  |  |
| Chinhua Chemical — Chungking wants to sell shares   | June | 27   | 39 |  | Commonwealth Edison — Garbage for power generation: segregated and shredded city solid wastes to generate steam  | Mar  | 7    | 43 |   |   |      |      |    |    |  |  |
| Chisso Corp. — Mercury record pollution damage penalty assessed   | N    | Mar  | 28 | 32   | Quad Cities' Units 1 and 2 get full-term licenses  | Jan  | 3    | 15 |   | DMP Corp. — Reverse-osmosis system for Army's Rock Island, Ill., arsenal  | May  | 2    | 35 |    |  |  |
| Chisso Engineering — HDPE plant for Korea   | Jan  | 10   | 45 |  | Commonwealth Oil Refining — Aircro's mishap at Puerto Rican air-separation plant causes shut down  | Mar  | 14   | 11 |   | DOR Chemicals — Methanol plant starts up  | R    | Feb  | 21 | 39 |  |  |
| Chiyoda Chemical & Engineering — Korean government conducting a feasibility study on expansion of caprolactam plant   | Jan  | 10   | 46 |  | SEC looking into Corco's use of "true industry values" instead of actual sales prices as the basis for about 74% of its reported earnings in '72       | Apr  | 18   | 15 |   | DSM — President Rotter calls for cooperation in planning new investment in Europe   | N    | Jan  | 10 | 48 |  |  |
| Chlorine Technology Ltd. — Sherwin-Williams, first U.S. licensee of iminene beneficiation technology  | Apr  | 4    | 39 |  | Suit against PPG over oil costs in joint offshore plant in Puerto Rico   | Jan  | 31   | 14 |   | Rigips Nederland see under name   | R    | May  | 23 | 46 |  |  |
| Christian Brothers — Liquor ingredients labeling rule could mean switch in additives  | May  | 16   | 31 |  | Anatomy of a lawsuit   | Feb  | 7    | 15 |   | Sales and earnings, '72   | R    | May  | 23 | 46 |  |  |
| Christiane Securities — Merger with Du Pont under scrutiny  | Feb  | 14   | 26 |  | Penalties plant will be back in production   | R    | May  | 23 | 24  | Daiel Huels — Nylon-12 monomer lauryl-lactam joint venture in Japan   | R    | May  | 2  | 23 |  |  |
| Du Pont's stockholders file suit to enjoin proposed merger  | R    | June | 20 | 16   | Conoco Chemicals — Altol plant at Lake Charles, La., reaches capacity  | R    | Mar  | 21 | 24  | Dainippon Ink & Chemicals — Buys 50% interest in joint packaging venture from Crown Zellerbach  | R    | May  | 2  | 15 |  |  |
| Chromalloy American — Ferro Tic, steel-bound carbide material used for apex seals   | June | 13   | 29 |  | Conservation Chemical Co. — Contract waste treatment pay off: fast-growing service is built on low-cost plant operation                                | Apr  | 4    | 55 |   | Epoxy resins cross-licensing agreement with Reichhold   | R    | Jan  | 24 | 32 |  |  |
| Chrysler Corp. — Catalytic converters: company will try to restrict converters only to California autos   | N    | June | 6  | 55   | Consolidated Murchison Ltd. — Antimony Products Ltd. formed  | R    | May  | 30 | 47  | Hol-melt adhesives plant in Tokyo   | R    | Mar  | 21 | 50 |  |  |
| Catalytic converters: substrate problems reported   | Jan  | 24   | 14 |  | Fatts, Wis., PE film plant doubles capacity  | R    | Feb  | 14 | 27  | Rumaco joint venture for petroleum-based protein plant  | Jan  | 31   | 22 |    |  |  |
| Emission standards: EPA urged to adopt a compromise package   | Mar  | 21   | 21 |  | Consolidated Cca — Metallurgical coke marketing feasibility study  | R    | Apr  | 25 | 21  | Synthetic protein plant postponed   | R    | Mar  | 7  | 20 |  |  |
| EPA hearings on emission control bring up new controversy: Did Engelhard lose out with Chrysler because it was too aggressive in promoting catalysts?                 | Apr  | 11   | 35 |  | Consumers Power — Nuclear plant at Midland, Mich. gets okay  | Jan  | 3    | 15 |   | Dainippon Sugar Manufacturing — Fatty acid ester joint venture with Mitsubishi  | R    | Feb  | 7  | 36 |  |  |
| Chungtu Fertilizer — Wants to sell shares of joint ventures at Ulaan  | June | 27   | 39 |  | Nuclear power plant at Quincasee, Mich., proposed  | N    | May  | 9  | 34  | Daiwa Spinning — Japan acts against fiber cartel  | Jan  | 3    | 29 |    |  |  |
| Cia. Espanola de Petroleos (CEPSA) — Emerging as a chemical force   | Apr  | 18   | 27 |  |  |      |      |    |   | Dart Industries — Annual meeting: '73 outlook   | May  | 2    | 12 |    |  |  |
| Cia. Insular de Canarias — Phosphoric acid project  | May  | 9    | 27 |  |  |      |      |    |   | Dart Industries' Chemical Group — Synthetic Products Div. — metallic stearate manufacturing units expansion   | R    | May  | 16 | 25 |  |  |
| Cia. Quimica — Argentina's P88 complex plant project  | Mar  | 14   | 30 |  |  |      |      |    |   | Davy-Ashmore — Changes its name to Davy International   | R    | May  | 23 | 46 |  |  |
| Cia. Sideurgica da Amazonia — Air-separation plant planned  | R    | Jan  | 17 | 44   |  |      |      |    |   | Simon Engineering wants to take over  |      |      |    |    |  |  |
| Cia. Uniao Fabril — Acrylic fiber joint venture with Mitsubishi awaits government approval  | R    | Feb  | 7  | 36   |  |      |      |    |   |   |      |      |    |    |  |  |
| Plant to be built near Lisbon   | R    | May  | 30 | 47   |  |      |      |    |   |   |      |      |    |    |  |  |
| Ciba Ltd. — Cotoran, broad-spectrum cotton herbicide, price boost is under fire   | N    | Apr  | 11 | 14   |  |      |      |    |   |   |      |      |    |    |  |  |
| Thermal printing dyes   | Feb  | 28   | 48 |  |  |      |      |    |   |   |      |      |    |    |  |  |
| Ciba-Geigy — Dispersion dyes for thermal printing   |      |      |    |  |  |      |      |    |   |   |      |      |    |    |  |  |

|  |      |      |    |    |
|--|------|------|----|----|
| D-A  | N    | Jan  | 17 | 36 |
| Takeover bid withdrawn   | R    | Mar  | 21 | 50 |
| Davy International - New name of Davy  | R    | May  | 23 | 46 |
| Ashmore  | N    | May  | 9  | 27 |
| Dead Sea Pericline - Magnesium oxide plant at Mishor Rotem, Israel   | May  | 9    | 27 |    |
| DeBell & Richardson - "Plastics Waste Disposal Practices in Landfill, Incineration, Pyrolysis and Recycle" report  | Feb  | 28   | 51 |    |
| Deepsea Ventures - Pilot-planting and improved process for chemical and electrolytic recovery of nodules that will be sucked up from the ocean floor and carried by ship to an onshore plant (chart) | May  | 30   | 39 |    |
| Degussa - Methionine plant at Antwerp, Belgium   | R    | Jan  | 31 | 22 |
| Dekachemie - Merger with MKW   | R    | Jan  | 3  | 29 |
| Del Laboratories - Home permanent wave market  | June | 6    | 71 |    |
| Delco Chemical - Amphetamine: U.S. puts down diet 'ups'  | Apr  | 11   | 19 |    |
| DeLift International Oil Corp. - South Australia site for a petrochemical complex considered   | N    | Apr  | 11 | 25 |
| Delmarva Power & Light - Getty, Delmarva and Delaware compromise on low-sulfur fuel use  | Jan  | 10   | 16 |    |
| Nuclear power station near Middletown, Del.  | R    | Jan  | 10 | 18 |
| Delta Manganese - Electrolytic manganese plant in South Africa planned   | R    | May  | 30 | 15 |
| Footie will distribute Delta's electrolytic manganese chip and related products in the U.S. and Mexico   | R    | May  | 30 | 15 |
| Desarollos Industriales - Acquired by UEE-Rio Tinto  | Mar  | 21   | 49 |    |
| Deutsch, Shug & Evans - Index for engineer-scientist demand  | N    | May  | 16 | 47 |
| Deutsche Shell - West German plastics production in '72  | R    | Jan  | 24 | 32 |
| Dexol Industries - Mislabeling disinfectants and pesticides charged  | Jan  | 17   | 19 |    |
| Dexter Corp. - Majority interest in Soc. des Vernis Bouvet to be bought  | R    | May  | 2  | 23 |
| Dharamsi Morari Chemical - Diamonium phosphate plant plans at Nhava-Sheva dropped  | R    | Jan  | 10 | 46 |
| Diagnostic Data Co. - Anti-inflammatory drug for treatment of humans   | Feb  | 7    | 39 |    |
| Diamond Shamrock - Chlor-alkali prices   | N    | June | 13 | 23 |
| Decision to sell Richards Mather was not financially motivated says Chairman Hughes  | N    | Jan  | 3  | 7  |
| First "integrated service" contract in chemical distribution pact signed   | N    | Mar  | 21 | 31 |
| Polyester resins prices  | N    | Apr  | 18 | 25 |
| PVC capacity takes off (table)   | Jan  | 31   | 13 |    |
| Sales and earnings for '72: Three come on strong   | Jan  | 24   | 15 |    |
| Wean United reopening Youngstown, O., plant to fill a major order for electrolytic cells   | R    | Jan  | 10 | 18 |
| Die Mesh Corp. - Battery-powered electronics modified Fiat   | Apr  | 18   | 13 |    |
| Digital Equipment Corp. - Lab computers do it faster   | May  | 9    | 36 |    |
| Distillers Co. - Thalidomide: agreement on damages   | Feb  | 7    | 15 |    |
| UC acquires 100% ownership of Bakelite   | June | 6    | 27 |    |
| Xylonts Ltd. by buying out DC  | R    | Jan  | 31 | 15 |
| Distragas - Natural gas contract   | R    | Jan  | 31 | 15 |
| Dive Chemical - Joint venture calcium hypochlorite plant at Bayport, Tex.  | R    | May  | 2  | 15 |
| Dome Petroleum - Canada: Dow negotiating to tie in with DIP's proposed ethane pipeline   | N    | Mar  | 14 | 12 |
| Dow and DP may build complex in Alberta  | N    | Apr  | 25 | 13 |
| Behind Dow's Dome deal   | May  | 2    | 14 |    |
| Dow Badische - Acrylic spinning plant in Williamsburg, Va.   | May  | 9    | 17 |    |
| Caprolactam plant planned  | R    | Apr  | 25 | 21 |
| Correction - letter  | May  | 23   | 5  |    |
| Nylon prices   | N    | June | 13 | 23 |
| Dow Chemical Co. - Acquisition of Hydro-science, waste-treatment design firm   | Jan  | 10   | 35 |    |
| Key to profits in pollution control  | Mar  | 14   | 30 |    |
| Argentina's PBB complex plant project  | Mar  | 14   | 30 |    |
| Barnes, Earle at AICHE meeting says society is demanding higher-quality management   | Mar  | 21   | 45 |    |
| Borrow now, build later - the thinking behind latest debt offerings  | N    | June | 27 | 9  |
| Brazil will play a bigger role in Dow's Latin-American investment plans  | N    | Jan  | 17 | 25 |
| Brazilian investment boost   | N    | Mar  | 7  | 33 |
| Chemical employment is up (table)  | Apr  | 4    | 24 |    |
| Chilean government is moving to legalize its Oct. '72 takeover of Petrodow, polystyrene plant in Santiago, is "definitely moving toward a complete sellout"  | Feb  | 28   | 15 |    |
| Chilean government's controller rules that the Ministry of Economy's takeover of Dow petrochemical operations at Concepcion last Oct. was illegal  | Jan  | 10   | 45 |    |
| Chile's elections: Dow and other U.S. investors get little solace  | Mar  | 14   | 33 |    |
| Chlor-alkali prices  | N    | June | 13 | 23 |
| Chlorine, vinylidene chloride, calcium chloride and brake fluid prices   | Mar  | 14   | 28 |    |
| Colombian LDPE venture interest sold to Ecopetrol  | Jan  | 17   | 25 |    |
| Continuous electrolytic titanium process to be used at Howmet's Whitehall, Mich. plant   | N    | May  | 9  | 33 |
| Decker, Gerald discusses increase in the cost of hydrocarbons  | Mar  | 14   | 24 |    |
| Decker sees soaring fuel and feedstock prices driving up the cost of chemical operations   | May  | 16   | 21 |    |
| Ethylene needs may be filled by building crude oil refinery at either Freeport, Tex., or Plaquemine, La.   | May  | 16   | 23 |    |

|  |      |      |    |    |
|--|------|------|----|----|
| Ethyleneimine monomers and polyethylene polymers production stopped because of OSHA's imposition of zero exposure standards              | N    | May  | 30 | 37 |
| Ethyleneimine will get back in production  | N    | June | 20 | 9  |
| Freeport, Tex., cutback due to Texas gas curtailments  | Jan  | 3    | 14 |    |
| Freeport, Tex., ethylene boost   | Apr  | 25   | 15 |    |
| Freeport, Tex., to get another 1,000-ton/day chlorine plant  | N    | June | 6  | 21 |
| Gerstacker says foreign countries should buy stock in big U.S. companies to help offset our trade deficit                                | N    | May  | 16 | 17 |
| Glycerin prices  | N    | Mar  | 21 | 31 |
| HDPE prices N Feb 14-53  | N    | Feb  | 28 | 29 |
| Markiewicz: Glycenn outlook discussed at SDA convention  | Jan  | 31   | 14 |    |
| McCollister predicts enormous costs in testing new products and uses under proposed regulations of toxic substances control bill         | N    | Apr  | 11 | 28 |
| Meeting (annual) stresses international operations   | May  | 9    | 15 |    |
| Midland, Mich., complex: Landscape plan is aimed at transforming 'Fortress Dow' - letter   | Feb  | 21   | 45 |    |
| Midland, Mich., division will build a lagoon to treat effluents  | N    | Mar  | 7  | 43 |
| Midland, Mich., nuclear gets okay  | N    | Jan  | 3  | 15 |
| Negotiating for an interest in Philips Duphar pharmaceutical division  | R    | Jan  | 10 | 46 |
| Overseas sales and capital spending  | Mar  | 28   | 34 |    |
| Pearson at CMRA sees thermoplastics demand reaching 160 billion lbs. by 2000   | May  | 16   | 21 |    |
| Pittsburg, Calif., plant: Sun shines on plant's zero discharge goal  | May  | 16   | 57 |    |
| Plans to shift contract strategies for "energy intensive" chemicals are inaccurate says company  | N    | June | 6  | 21 |
| Polystyrene prices   | N    | Feb  | 28 | 29 |
| Process to make methanol and carbon dioxide from sodium chloride brine contaminated with acetic acid developed                           | N    | Feb  | 28 | 43 |
| SOAP project: Dow drops out; Du Pont and Polymer must now decide whether they want to proceed  | N    | Mar  | 14 | 12 |
| SOAP project isn't dead  | N    | May  | 30 | 9  |
| Single-pass desalting of sea water by reverse osmosis will be tried at Walnut Creek, Calif., research center                             | Mar  | 14   | 39 |    |
| South Australia site for a petrochemical complex considered  | N    | Apr  | 11 | 25 |
| Stock splits   | Feb  | 21   | 21 |    |
| Sumitomo negotiating for licensing of acrylamide process   | R    | May  | 2  | 23 |
| Theis at AICHE describes Midland, Mich., project to solve waste problems in the manufacture of 2,4-D                                     | June | 13   | 41 |    |
| Thermoplastic resin expansions include polystyrene plant at Joliet, Ill., and Tylin styrene acrylonitrile resins plant at Riverside, Mo. | N    | May  | 9  | 10 |
| Trichloroethylene prices   | N    | June | 13 | 23 |
| 2,4,5-T, appeals court lifts injunction barring EPA action   | May  | 2    | 14 |    |
| Dow Chemical Europe - HDPE plant and a polystyrene unit at Tessenderlo, Belgium, planned   | N    | Jun  | 27 | 37 |
| Merzeel sees division's sales growing 20% year during next five years, profits climbing twice as fast                                    | May  | 23   | 44 |    |
| Shares now traded on the stock exchange at Frankfurt, Düsseldorf and Hamburg   | R    | Feb  | 7  | 36 |
| Dow Chemical of Canada - Negotiating to tie in with Dome Petroleum's proposed ethane pipeline  | N    | Mar  | 14 | 12 |
| Dome and Dow may build complex in Alberta  | N    | Apr  | 25 | 13 |
| Behind Dow's Dome deal   | May  | 2    | 14 |    |
| Dow Corning - Semiconductor Products mini-calculator sales growth will boost market for chemical components                              | Feb  | 7    | 27 |    |
| Dow Quimica Chilena - Polystyrene plant in Santiago is "definitely moving toward a complete sellout"                                     | Feb  | 28   | 15 |    |
| Dream Wall Sales, Ltd. - Paint-on "wallpaper"  | June | 20   | 24 |    |
| Dryden Chemicals Ltd. - Court actions on mercury dumping charges   | Apr  | 11   | 34 |    |
| Dynalene - Gas state-of-the-art supply   | R    | Feb  | 21 | 37 |
| Dupural - Phthalic anhydride capacity increase   | June | 20   | 19 |    |
| Du Pont de Nemours, E.I. & Co. Inc. - Acetal resin plant in Netherlands  | N    | Apr  | 18 | 31 |
| Alpha-naphthylamine and derivatives production will be discontinued  | N    | May  | 23 | 31 |
| Production will continue   | N    | May  | 30 | 37 |
| Birmingham, Ala., pollution suit will not be heard by Supreme Court  | Feb  | 28   | 16 |    |
| Brazilian venture: 40% share in laccanolate do Brasil, which will build a toluene diisocyanates plant in Camacan, Bahia                  | N    | June | 6  | 33 |
| Cantwell discusses emission controls at API refining meeting   | May  | 23   | 27 |    |
| Charleston, S.C., site for a plant to manufacture DuPont polyester staple and filament fibers  | R    | June | 13 | 21 |
| Chemical employment is up (table)  | Apr  | 4    | 24 |    |
| Copper-bearing chemicals prices  | N    | Mar  | 14 | 28 |
| Dispersion dyes for thermal printing   | R    | Feb  | 28 | 47 |
| Dye producers receive subpoenas in a Justice Dept. investigation of industry pricing practices   | Feb  | 21   | 18 |    |
| Energy conservation program has trimmed energy requirements 7-15% year, says consultant manager G.F. Moore                               | N    | Mar  | 28 | 25 |
| European project - sites under considera-  |      |      |    |    |

|  |      |      |    |    |
|--|------|------|----|----|
| tion include Northern Ireland and Irish Republic   | N    | Jan  | 24 | 31 |
| European sales expected to double, to \$1 billion, by '76  | N    | Apr  | 18 | 31 |
| Fiber B expansion?   | N    | Feb  | 21 | 13 |
| Fiber B gets boost from auto makers' push for radial tires (charts)  | Jan  | 31   | 21 |    |
| Fiber expansions in U.K.   | N    | June | 20 | 20 |
| Filament units in West Germany   | N    | Apr  | 18 | 31 |
| French petrochemical project considered  | N    | Jan  | 17 | 25 |
| Geologic explorations aimed at proving to Georgia officials that the company can safely dispose of wastes from its planned plant at Brunswick into a deep well | June | 27   | 45 |    |
| Georges, John new environmental director: For him, a slouch in time saves millions   | Feb  | 14   | 84 |    |
| Hypalon synthetic rubber for two hilltop reservoirs  | Apr  | May  | 11 | 20 |
| ICMI pitches for plants  | R    | Apr  | 23 | 20 |
| International Dept. s.v.p. Benjamin Schlimme: He wanted a trip and got the world   | Apr  | 4    | 64 |    |
| Ionomer powders for protective coatings  | Apr  | 11   | 32 |    |
| Ireland: Orion acrylic fiber facilities at Maydown works expansion   | R    | June | 13 | 21 |
| Lab computers do it faster   | May  | 9    | 36 |    |
| LDPE prices  | N    | Mar  | 7  | 37 |
| McCoy, Charles B. at the AICHE meeting   | Mar  | 21   | 45 |    |
| McCoy sees new period of growth for scope  | May  | 16   | 47 |    |
| Meeting (annual): first-quarter results  | Apr  | 18   | 14 |    |
| Mendolia, Arthur named as Assistant Secretary of Defense for installations logistics   | June | 13   | 19 |    |
| Merger with Christians under scrutiny  | Feb  | 14   | 26 |    |
| Stockholders file suit to enjoin proposed merger   | R    | June | 20 | 16 |
| Montedison is the winner in polypropylene patent case  | N    | Feb  | 14 | 68 |
| Mylar polyester film plant in Luxembourg to be expanded  | N    | Jan  | 17 | 25 |
| Nader's report - CW wins Jesse H. Neal Awards: Winning Team's modest bow   | Feb  | 21   | 5  |    |
| Behind the News  | Feb  | 7    | 17 |    |
| '73 educational aid program  | R    | Feb  | 7  | 17 |
| Nomex and Fiber B nylon: producers feel generic names for fibers could boost sales   | Mar  | 14   | 42 |    |
| Nomex and Tyvek capacities at Richmond, Va., to be doubled   | N    | May  | 30 | 37 |
| Nomex nylon and Mylar polyester film coated with aluminum for Skylab sun shield  | May  | May  | 30 | 15 |
| Outlook '73 is "excellent" says McCoy  | N    | May  | 14 | 11 |
| Overseas business to grow at 15%/year, reach \$2 billion by '77  | Apr  | 4    | 43 |    |
| Overseas sales and capital spending  | Mar  | 28   | 34 |    |
| Perkin Medal given to Theodore Caima   | N    | Feb  | 28 | 43 |
| Pollution control devices being marketed   | Jan  | 10   | 35 |    |
| Polyester projects in Luxembourg   | N    | Apr  | 18 | 31 |
| PE plant at Victoria, Tex.   | R    | Jan  | 3  | 16 |
| Powder unit at Mossaic, Pa. sold to Gearhart-Owens Industries  | R    | May  | 2  | 15 |
| Process for polyester plant at Mogilev, Russia   | R    | Feb  | 21 | 39 |
| 'Raiders' see progress, but contend many more changes are needed   | Mar  | 7    | 14 |    |
| R&D investment reaps rewards   | N    | Feb  | 7  | 9  |
| Reverse-osmosis equipment could get market lift from huge plant mapped by U.S.   | Jan  | 13   | 17 |    |
| Sales and earnings: '72 preliminary report   | June | 3    | 12 |    |
| Sodium perborate capacity and output of Oxone monopersulfate compound at Memphis, Tenn., plant will be doubled   | R    | June | 27 | 15 |
| Stuckey told CMRA the boom probably will last another year and a half  | May  | 16   | 21 |    |
| Sulfuric acid prices   | Feb  | 28   | 43 |    |
| Taylor, B.M. discusses decline in engineering enrollment   | June | 27   | 43 |    |
| Titanium dioxide expansion   | Apr  | 4    | 39 |    |
| TiO <sub>2</sub> overseas ventures   | Apr  | 4    | 43 |    |
| Titanium dioxide plant at Brunswick, Ga. considered  | R    | May  | 2  | 15 |
| Titanium dioxide plant site in Europe sought   | N    | Feb  | 28 | 23 |
| Titanium dioxide prices  | N    | Apr  | 25 | 30 |
| Triballoy inter-metallics for rotor apex seals   | N    | June | 13 | 29 |
| Wastes disposal: EPA grants 90-day permit for Edge Moor, Del., titanium pigments plant but only 70-day permit for Linden, N.J., intermediates plant            | May  | 2    | 14 |    |
| Worldwide agreement controlling imports of textiles and fibers called for  | N    | Mar  | 14 | 33 |
| Du Pont of Canada - Acrylic fiber plant at Maitland, Ont., capacity boost  | R    | June | 6  | 35 |
| Sales and earnings for '72   | N    | Feb  | 7  | 31 |
| '73 first quarter  | R    | May  | 9  | 28 |
| SOAP project: Dow drops out; Du Pont and Polymer must now decide whether they want to proceed  | N    | Mar  | 14 | 12 |
| SOAP isn't dead  | N    | May  | 30 | 9  |
| Dure-A-Wood - Rubber producing facilities in Red Wing, Minn., expansion  | R    | June | 13 | 21 |
| Dural Corp. - Hydrometallurgical copper processing plant at Esperanza mine planned   | R    | June | 13 | 21 |
| Sulfur prices  | N    | Jan  | 24 | 19 |
| Dynapol - Testing the idea of tying additives into a polymer, forming a molecule too large to be absorbed in the intestines                                    | N    | June | 27 | 40 |

## E

|  |        |    |    |
|--|--------|----|----|
| EAI — Lab computers do it faster .....                       | May    | 9  | 36 |
| EFIM — Montedison to sell four aluminum plants to EFIM ..... | N June | 13 | 30 |

|   |      |      |    |  |  |      |      |   |  |   |      |      |    |    |  |  |
|---|------|------|----|--|--|------|------|---|--|---|------|------|----|----|--|--|
| ELF Group — Petroleum coke manufacturing plant in France planned  | R    | Apr  | 4  | 29   | across Australian bay after two-year delay (map)   | Feb  | 28   | 25  | a reactor of unconventional design   | Jan   | 3    | 34   |    |    |  |  |
| ESB — Manganese processing plant purchased from IMC will reopen   | R    | Feb  | 28 | 19   | Eso Pappas Chemical — PVC capacity at Salorika plant expansion   | R    | May  | 23  | 46   | Fastran AG — Thermal printing of woolsens   | Feb  | 28   | 48 |    |  |  |
| EVI Co. — Cellulosic plastic used in People Powered Vehicle   | May  | 9    | 21 | Ethyl Corp. — Dividends up   | R  | May  | 9    | 17  | Federal Canton — Stone Container acquires assets and business  | R   | May  | 9    | 17 |    |  |  |
| E Z Vue Products — Cellulosic transparent mailbox   | May  | 9    | 21 | EEOC and UPII suing for alleged sex discrimination at Oxford, Me., paper plant   | R  | May  | 16   | 25  | Fenasa — Fertilizer marketer   | R   | Apr  | 18   | 27 |    |  |  |
| Earth Sciences, Inc. — Alumina joint-venture agreement  | R    | Jan  | 31 | 15   | Houston plant gas supply cut due to Texas gas curtailments   | Jan  | 3    | 14  | Ferrocimica — Phenol plant in Mexico   | R   | Feb  | 7    | 36 |    |  |  |
| Project will get pilot test   | N    | Jan  | 13 | 43   | Lead antiknock fluids prices   | N    | Mar  | 14  | 28   | Ferro Corp. — Acquisition of Cataphote Corp.  | R    | June | 20 | 16 |  |  |
| Eastern Chemical — Cellulosic plastics makers face capacity shortages   | N    | May  | 16 | 33   | Meeting (annual)   | May  | 9    | 15  | N.Y. analysts hear forecast  | June  | 20   | 12   |    |    |  |  |
| Eastman Chemical Products — Cellulosic acetate market   | May  | 9    | 21 | Pasadena operation suffers reduction due to Coastal States curtailment of natural gas  | N  | June | 13   | 13  | N.Y. financial analysts hear '72 report, '73 outlook   | Feb   | 7    | 16   |    |    |  |  |
| Longview, Tex., ethylene operations prospective expansion   | N    | May  | 16 | 17   | PVC capacity upped at Tiptonville, Tenn.   | R    | Apr  | 25  | 21   | Power coating technology of Ruhr-Pulverlack licensed  | Apr  | 11   | 18 |    |  |  |
| Oxygenated solvent prices   | N    | June | 6  | 36   | Unzelman discusses emission controls at API refining meeting   | May  | 23   | 27  | Sales and earnings in '73 first-quarter  | Apr   | 11   | 18   |    |    |  |  |
| Phthalate plasticizer prices  | N    | Feb  | 21 | 25   | Ethylene Plastique — LDPE unit at Lillezone, France, onstream  | R    | Jan  | 31  | 22   | Fertilizantes de Iberia — Gulf's interests not involved in sale to UEE-Rio Tinto  | R    | Jan  | 17 | 44 |  |  |
| Eastman Kodak — Bell & Howell's suit charges Kodak blocks competition in amateur photo equipment  | Jan  | 17   | 21 | Europemballage — ECC charging violation of article 86 challenged   | N  | Jan  | 3    | 25  | 50% interest in FI will be sold to UEE-Rio Tinto   | N   | June | 6    | 33 |    |  |  |
| Berkey Photo suing EK for triple damages for attempts to monopolize the photographic industry   | R    | Feb  | 7  | 17   | Evans Chemicals — Permanent waste market up  | June | 6    | 71  | Fertilizantes Fostados Mexicanos — Customer for IMC fertilizer plant   | N   | May  | 2    | 27 |    |  |  |
| GAF files antitrust suit against Kodak  | May  | 9    | 13 | Evans Products — Building materials group forms a plastics division  | R  | June | 6    | 29  | Mexico touts a petrochemical Garden of Eden (map)  | Mar   | 28   | 33   |    |    |  |  |
| Polyester film base unit in Windsor, Colo.  | R    | Feb  | 14 | 27   | Exomet, Inc. — Flexible matting for heat-treating field welds by exothermic chemical reaction                        | R    | Apr  | 4   | 51   | Phosphoric acid to be bought from Cie Francaise de l'Azote  | N    | Apr  | 18 | 25 |  |  |
| Eaton Corp. — Air-bag safety systems' contracts   | Feb  | 21   | 19 | Exxon — Baton Rouge, La., ethylene plant ups capacity  | Apr  | 25   | 15   | Fertilizer Corp. of India — Ammonium phosphate plant in the Persian Gulf; FCI negotiating with Kuwait for collaboration in building plant       | N  | Jan   | 10   | 48   |    |    |  |  |
| Ebara Mfg. Co. — Joint research project to remove SO <sub>2</sub> and nitrogen oxides from heavy-oil flue gas with an electron beam                   | Apr  | 25   | 49 | Benzene prices   | N  | Apr  | 11   | 22  | Nangal plant expansion   | Feb   | 7    | 36   |    |    |  |  |
| Eberline Instruments — TLD market   | June | 27   | 35 | Chinese talks discuss exploitation of possible oil reserves in the outer continental shelf under the Chirouge is 200 million tons/year | May  | 30   | 14   | Fiber Industries — Polyester staple fiber plant at Darlington, S.C. planned   | R  | Mar   | 7    | 16   |    |    |  |  |
| Ecompart — Kurita and Itoh acquire stocks   | R    | Jan  | 10 | 46   | Clear: Mideast crude cost will boost raw-material and energy prices  | Apr  | 11   | 26  | Fibras Esso — Nylon-6 plant to be sold to Usandizaga textile group   | Mar   | 21   | 49   |    |    |  |  |
| Economics Laboratory — N.Y. Society of Security Analysts hears prospects  | May  | 30   | 14 | Fibras Esso plans to sell nylon-6 plant to Usandizaga textile group  | Mar  | 21   | 49   | Fieldcrest Mills — Vance spells out what he considers to be the necessary waste treatment priorities for the textile industry at SOCOMA meeting | Feb  | 14  | 26   |      |    |    |  |  |
| Ecopetrol — Dow sells Colombian LDPE venture interest   | N    | Jan  | 17 | 25   | Highland Uranium Mill in Wyo. receives green light, but AEC sets stipulations  | N    | Apr  | 4   | 31   | letter  | Mar  | 7    | 5  |    |  |  |
| Eisenberg & Co. — Interested in arranging sale of equipment to Vietnamese investors   | Feb  | 7    | 34 | Oro capacity at Baton Rouge is 200 million lbs./year   | Mar  | 21   | 29   | Filtrol Corp. — Acquisition of PPG's Columbia Cement Div. Feb 14-27   | June   | 27  | 11   |      |    |    |  |  |
| Elastomer Co. — BASF is embroiled in three-way court battle in Germany, Sweden, over construction of urethane plant                                   | Mar  | 21   | 49 | Oxygenated solvent prices  | N  | June | 6    | 36  | Dividends slashed in apparent preparation for major acquisitions and expansions                                    | June  | 27   | 11   |    |    |  |  |
| Eldib Engineering & Research — Dicyclopentadiene (DCP) markets  | N    | May  | 9  | 26   | Exxon Chemical Co. U.S.A. — Dexon products: new line of acid and non-acid modified olefin copolymers and terpolymers | N    | May  | 16  | 33   | Fine Organics — Acquired by Hexcel  | Feb  | 28   | 18 |    |  |  |
| Electro Nucleonics, Inc. — AEC authorizes use of previously classified data on uranium enrichment   | N    | Jan  | 17 | 14   | New name for Enjay Chemical  | R    | Jan  | 10  | 18   | Firmin Corp. — "Interactive data system" for gas chromatographs and mass spectrometers  | May  | 9    | 36 |    |  |  |
| Electrocr — Argentina's PBB complex plant project   | Mar  | 14   | 30 | SCM acquires Tintas Ypiranga   | R  | Jan  | 24   | 32  | Firestone Synthetic Fibers Co. — Nylon-6 resin capacity at Hopewell, Va., upped                                    | R   | Mar  | 7    | 16 |    |  |  |
| Electroschmelzwerk Kempten — Silicon carbide plant in Netherlands   | R    | Jan  | 24 | 32   | <b>F</b>   |      |      |   |  |   |      |      |    |    |  |  |
| Electrode Corp. — Licenses for Chemor's anodes  | N    | Mar  | 14 | 40   |  |      |      |   |  |   |      |      |    |    |  |  |
| El Paso Natural Gas — Algeria gas deal: Project won't help ease the U.S. energy crunch until early '76  | N    | Apr  | 11 | 13   | FMC Corp. — Capital spending discussed at N.Y. Society of Security Analysts  | May  | 30   | 14  | Firestone Tire & Rubber — EEOC suit charges discrimination   | May   | 9    | 15   |    |    |  |  |
| Divestiture of Pacific Northwest Pipeline upheld by Supreme Court   | N    | Mar  | 14 | 23   | Inorganic Chemicals Div. — persulfate unit at Tonawanda, N.Y., explosion and fire                                    | Mar  | 14   | 20  | Decatur, Ill., plant to make steel-belted radials  | R   | Mar  | 14   | 21 |    |  |  |
| Plant for converting coal into pipeline-quality synthetic gas on the Navajo reservation near Farmington, N.M., planned                                | R    | June | 27 | 15   | Case pinpointed  | N    | Mar  | 28  | 25   | Des Moines, Ia., plant expansion  | R    | Feb  | 21 | 21 |  |  |
| Studying the feasibility of using an underground nuclear explosion  | Feb  | 14   | 27 | Malott paints a bright picture of '73 chemical prospects for financial analysts  | Mar  | 28   | 22   | General Tire awarded \$3.33 million in patent-infringement suit against Firestone   | Feb  | 14  | 27   |      |    |    |  |  |
| Tenneco to build three LNG tankers  | N    | Apr  | 25 | 13   | Meeting (annual): chemical group sales increased   | May  | 9    | 15  | International union leaders are mapping strategy against rubber giants   | N   | Apr  | 4    | 41 |    |  |  |
| USSR deal that could bring 1 billion cu ft./day of natural gas to the U.S.  | May  | 30   | 14 | Purchases the Marox process from Martin Marietta   | N  | Feb  | 14   | 68  | Johnson, E., head of new Employee Assistance Program helps solve problems that affect job performance              | Mar   | 28   | 42   |    |    |  |  |
| El Paso-Occidental Petroleum-Bectel — Siberian natural gas: U.S. development chances brighten   | N    | Mar  | 21 | 17   | Rayon staple capacity expansion at Front Royal, Va., plant   | N    | Apr  | 4   | 37   | Michelin former employee arrested in Cleveland on charges of trying to sell Firestone a secret formula for bonding radial tires | Feb  | 28   | 19 |    |  |  |
| Emery Industries — Labor agreement with United Steelworkers   | Jan  | 17   | 21 | Royal, Va., plant  | N  | Apr  | 4    | 37  | PVC capacity takes off (table)   | Jan   | 31   | 13   |    |    |  |  |
| Empresa Nacional de Petroleos de Tarragona — Standard Oil (California) and Texaco each acquires 10% of the shares of ENPT                             | R    | Mar  | 7  | 20   | Soda ash capacity at Green River, Wyo., expansion  | R    | Mar  | 14  | 28   | Riley, Richard president: Tire executives "don't see it like a big wheel"   | June | 13   | 56 |    |  |  |
| Empresa Nacional del Aluminio — Spain: Multicompany international venture formed to build alumina and aluminum complex                                | May  | 9    | 28 | Tonawanda, N.Y., ammonium persulfate plant will resume shipments   | R  | Apr  | 18   | 15  | Strike unlikely  | June  | 27   | 14   |    |    |  |  |
| Engelhard Minerals & Chemicals — Dividend increase  | R    | Mar  | 21 | 24   | Tower, Raymond executive v-p: He's shooting for a better score in fibers, film and chemicals                         | Jan  | 31   | 48  | Styrene butadiene rubber prices  | N   | Mar  | 28   | 27 |    |  |  |
| Emission standards: Leventhal tells EPA that tests have confirmed that technology to meet the standards does exist                                    | Mar  | 21   | 21 | Faberge — Permanent waste market up  | June   | 6    | 71   | Firmenich Inc. — Fragrance market   | R  | Mar   | 28   | 40   |    |    |  |  |
| Engelhard Industries Div. — platinum-titanium catalyst, E-601   | N    | Jan  | 3  | 32   | Fabricacion de Anilinas y Productos Quimicos — Acquired by Montedison  | R    | June | 6   | 35   | Fispe — Formed  | May  | 30   | 47 |    |  |  |
| EPA hearings on emission control bring up new controversy; did Engelhard lose out with Chrysler because it was too aggressive in promoting catalysts? | Apr  | 11   | 35 | Fabrike — Permanent waste market up  | June   | 6    | 71   | Fisons Ltd. — Anti-inflammatory drug for treatment of humans to be marketed   | Feb  | 7   | 39   |      |    |    |  |  |
| Stock purchase  | R    | May  | 2  | 15   | Fabrike — Permanent waste market up  | June | 6    | 71  | Burton, George new chairman: Vintage auto buff steers company in new directions                                    | June  | 6    | 76   |    |    |  |  |
| Enjay Chemical — Name changed to Exoco Chemical Co., U.S.A.   | R    | Jan  | 10 | 18   | Fabrike — Permanent waste market up  | June | 6    | 71  | Hemihydrate process  | Jan   | 3    | 34   |    |    |  |  |
| Enka-Glanzstoff — Capital spending boost  | R    | Jan  | 24 | 32   | Fabrike — Permanent waste market up  | June | 6    | 71  | Major growth areas: Europe, Japan and the U.S.   | June  | 6    | 35   |    |    |  |  |
| Fibers' worldwide production increases  | Jan  | 17   | 20 | Fabrike — Permanent waste market up  | June   | 6    | 71   | Worldwide rights to six drug products bought from Cooper Labs.  | June   | 6   | 35   |      |    |    |  |  |
| Zevenbergen, Bendert president: National-alum took a back seat to economics   | Jan  | 24   | 48 | Fabrike — Permanent waste market up  | June   | 6    | 71   | First Boston Corp. — Anaconda's Seabee, Ky., aluminum plant to operate under leasing arrangement  | N  | May   | 2    | 32   |    |    |  |  |
| Ente Nazionale Idroelettrica — European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad       | Apr  | 11   | 36 | Fabrike — Permanent waste market up  | June   | 6    | 71   | Fleming Joffe Jentia — Jentia: Synthetics aim for bigger cut of shoe market   | R  | Mar   | 7    | 35   |    |    |  |  |
| Pact with the Soviets   | N    | Mar  | 28 | 32   | Fabrike — Permanent waste market up  | June | 6    | 71  | Jentia will be expanded  | N   | Feb  | 21   | 25 |    |  |  |
| Multiple-effect evaporator cuts costs of treating pharmaceutical and food processing wastes (table)   | May  | 9    | 31 | Fabrike — Permanent waste market up  | June   | 6    | 71   | Fleming Joffe, Ltd. — Fleming Joffe Jentia, Ltd. used name under  | N  | Feb   | 21   | 25   |    |    |  |  |
| Environmental Structures Co. — Vinyl bubble will protect construction site from bad weather   | N    | Feb  | 14 | 68   | Fabrike — Permanent waste market up  | June | 6    | 71  | Flo-Kem Products — Mislabeling disinfectants and pesticides charged  | Jan   | 17   | 19   |    |    |  |  |
| Emark — New name for Seif's holding company   | R    | Jan  | 3  | 16   | Fabrike — Permanent waste market up  | June | 6    | 71  | Florasynth Inc. — Fragrance market   | Mar   | 28   | 40   |    |    |  |  |
| Equim — Bisphenol plant at Cuernavaca   | R    | Jan  | 24 | 32   | Fabrike — Permanent waste market up  | June | 6    | 71  | Food Products, Ltd. — National Starch acquires majority interest   | R   | Mar  | 14   | 21 |    |  |  |
| Eso-BHP Co. — Australian ethane pipeline controversy: E-BHP delivers feedstock  | R    | Jan  | 24 | 32   | Fabrike — Permanent waste market up  | June | 6    | 71  | Foots Minerals — Delta's electrolytic manganese chip and related products to be distributed in the U.S. and Mexico | R   | May  | 30   | 15 |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Dividend payment omitted   | R   | Mar  | 7    | 15 |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Proposed merger canceled   | R   | May  | 16   | 25 |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Sales and earnings, '72, estimated   | Jan   | 10   | 18   |    |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Ford Motor — Catalytic converters: ceramic substrates  | N   | Feb  | 7    | 39 |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Catalytic converters: Coming Glass to supply at least 20% of ceramic substrates                                    | R   | May  | 30   | 15 |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Catalytic converters: substrate problems reported  | Jan   | 24   | 14   |    |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Catalytic converters on up to 25% of new models  | N   | June | 6    | 55 |    |  |  |
|   |      |      |    |  | Fabrike — Permanent waste market up  | June | 6    | 71  | Emission standards: EPA urged to adopt a compromise package  | Mar   | 21   | 21   |    |    |  |  |



|  |     |      |    |    |
|--|-----|------|----|----|
| Powder coating tested  | N   | Jan  | 17 | 36 |
| Fosfatos de Bu-Craa — Phosphate rock supplier  | May | 9    | 27 |    |
| Fosforico Espanol — Phosphoric acid capacity boost at Huelva plant R Mar 21-50   | Apr | 18   | 27 |    |
| Foster Grant — Reorganizes its Chemical and Resins Div. into two new units, the Chemical and the Polymer divisions       | R   | June | 13 | 21 |
| Styrene monomer capacity at Baton Rouge, La., expansion  | N   | Mar  | 28 | 17 |
| United Brands acquires about 295,000 tendered shares   | R   | June | 20 | 16 |
| Foster Wheeler — Agreement on processes and technology with Friedrich Uhde   | N   | Jan  | 3  | 32 |
| Contractor for Italian petroleum-derived proteins plant  | R   | Mar  | 7  | 20 |
| Nuclear Power Products Co. see under name  |     |      |    |    |
| SNG plants for PSEG  | May | 2    | 33 |    |
| Vinyl bubble will protect construction site from bad weather   | Feb | 14   | 68 |    |
| Fourco Glass — Justice Dept. modifications of a 25-year-old consent decree, will ease antitrust restrictions             | Jan | 17   | 17 |    |
| Freeman Chemical Corp. — Polyester resin expansion   | Mar | 28   | 31 |    |
| Freeport Minerals — Sulfur prices  | N   | Jan  | 24 | 19 |
| Fritzsche Dodge & Olcott — Fragrance market  | Mar | 28   | 40 |    |
| Fuel Desulfurization Inc. — Colonel's Island, near Brunswick, Ga., possible site for heavy-fuel desulfurization refinery | May | 23   | 19 |    |
| Furnas — Canary Islands' phosphoric acid project   | May | 9    | 27 |    |
| Fuji Spinning — Japan acts against fiber cartel  | Jan | 3    | 29 |    |
| Fuller, H.B. — To purchase selected assets of Manhattan Adhesives  | R   | June | 20 | 16 |

## G

|   |      |      |    |    |
|---|------|------|----|----|
| GAF Corp. — Annual meeting, '73 outlook   | May  | 2    | 12 |    |
| Antitrust suit filed against Eastman Kodak  | May  | 9    | 13 |    |
| Demmerle, Richard dies  | R    | Jan  | 31 | 15 |
| Kantor, Simon corporate v-p; Bridge master seeks top score in research  | Mar  | 21   | 64 |    |
| Sales and earnings in '72; '73 forecast   | Mar  | 14   | 16 |    |
| Stocks, finishes buying 150,000 common shares   | R    | Apr  | 25 | 21 |
| G.R.T.L. Co. — PPG assumes full control of its glass-reinforced thermoplastic laminate venture with UC  | Jan  | 10   | 10 |    |
| Gasunie — Natural gas contract  | R    | Jan  | 31 | 15 |
| Gaulin Corp. — Package plant allows wax emulsion users to make their own  | N    | May  | 16 | 47 |
| Gaz de France — Natural gas contract  | R    | Jan  | 31 | 15 |
| Gearhart-Owen Industries — Purchases Du Pont's powder unit at Moosic, Pa.   | May  | 2    | 15 |    |
| Gelbo, R & Sons — Employees shown a film on cancer during working hours   | June | 27   | 14 |    |
| Gelsenberg — Olefins complex at Muenchenmuenster onstream   | R    | May  | 2  | 23 |
| General Battery — Northwest Industries will offer GB stockholders \$34/share  | N    | Mar  | 21 | 17 |
| General Box — Acquisition of St. Regis Paper's Wireboard Div. planned   | R    | June | 6  | 29 |
| General Electric Co. — AEC authorizes use of previously classified data on uranium enrichment   | N    | Jan  | 17 | 14 |
| Gas centrifuge separation of uranium isotopes studied   | Jan  | 31   | 39 |    |
| Nuclear units sold to France  | N    | June | 16 | 56 |
| Poly carbonate market for lighting  | N    | May  | 16 | 37 |
| Silicone Products Dept. — silicone rubber for making molds for candles  | Jan  | 24   | 34 |    |
| Valox thermoplastic polyester material prices cut   | N    | Mar  | 21 | 31 |
| General Mills Chemicals Inc. — Kinney paints a bright picture of '73 chemical prospects for financial analysts  | Mar  | 28   | 22 |    |
| Vitamin E market continues strong   | Mar  | 28   | 22 |    |
| General Motors — Air bags: GM will offer safety system as optional equipment on some of '74 luxury cars   | Feb  | 21   | 19 |    |
| GM will delay until December its plan to install air bags   | June | 27   | 14 |    |
| Catalyst exhaust control systems on "most, perhaps all" of '75 model cars   | N    | June | 6  | 55 |
| Catalytic converter that can meet interim '75 emission standards for the life of car  | June | 27   | 11 |    |
| Dexron II as a motor oil for RC engines   | June | 13   | 29 |    |
| Emission standards: EPA urged to adopt a compromise package   | Mar  | 21   | 21 |    |
| Powder coating tested   | N    | Jan  | 17 | 36 |
| General Ore Mining & Dressing Co. — Fertilizer plant in the Pathum Thani area, Thailand planned   | R    | Jan  | 10 | 46 |
| General Tire & Rubber — Agrees to pay \$10,000 civil penalty stemming from Transportation Dept. charge that some of the company's tires failed to meet '66 safety standards | R    | June | 20 | 16 |
| Annual meeting; first-quarter earnings up   | Apr  | 4    | 23 |    |
| Awarded \$33.3 million in patent-infringement suit against Firestone  | R    | Feb  | 14 | 27 |
| Polyether-urethane foam patent still holds  | Jan  | 3    | 15 |    |
| Radial-tire plant for Rumania   | R    | May  | 2  | 23 |
| Reverse-osmosis equipment could get market lift from huge plant mapped by U.S.  | June | 13   | 17 |    |
| Geo-Energy Systems, Inc. — Van Huisen heat exchanger may help unlock geo-thermal energy reserves  | Feb  | 7    | 45 |    |

|  |      |      |    |    |
|--|------|------|----|----|
| Georgia Bonded Fibers Co. — SirPeli Synthetics aim for bigger cut of shoe market   | Mar  | 7    | 35 |    |
| Georgia-Pacific — Base-point pricing under attack  | N    | Mar  | 21 | 27 |
| FTC consent order requires G.P. to transfer to Louisiana-Pacific Corp. about 20% of its assets   | N    | Jan  | 3  | 7  |
| PVC capacity takes off (table)   | Jan  | 31   | 13 |    |
| Geoscience Instruments Corp. — Poromems: Industrial markets are another possibility  | Mar  | 7    | 35 |    |
| Getty Oil — Getty, Delmarva and Delaware compromise on low-sulfur fuel use   | Jan  | 10   | 16 |    |
| Gewerkschaft Auguste Victoria — Mining directly under the Huels complex causes damage, but Huels cannot sue either GAV or BASF                   | Feb  | 21   | 38 |    |
| Gillette — Deodorants and antiperspirants: FTC orders manufacturers to document ad claims  | June | 6    | 26 |    |
| Personal Care Div. — home perm market  | June | 6    | 71 |    |
| Givaudan Inc. — Fragrance market   | Mar  | 28   | 40 |    |
| Slaph outbreaks raise pressure for end of hexachlorophene ban  | Jan  | 31   | 14 |    |
| Glass For Cars — Guardian Industries acquisition challenged  | R    | May  | 2  | 15 |
| Gold Seal Co. — Snowy Bleach, non-chlorine bleach  | Apr  | 25   | 51 |    |
| Goodrich, B.F. Chemical — PVC capacity takes off (table)   | Jan  | 31   | 13 |    |
| Goodrich, B.F. Industrial Products — Rubber markets rebound  | June | 13   | 20 |    |
| Goodrich Tire & Rubber — Strike unlikely   | Apr  | 18   | 15 |    |
| URW strikes seven plants   | May  | 16   | 21 |    |
| New contract with URW  | R    | June | 6  | 29 |
| Contract includes provision for an increasing in pension benefits  | June | 13   | 21 |    |
| Goodyear Tire & Rubber — AEC authorizes use of previously classified data on uranium enrichment  | N    | Jan  | 17 | 14 |
| International union leaders are mapping strategy against rubber giants   | N    | Apr  | 4  | 41 |
| Pilliod, Charles, Jr., new president: He stresses himself — and U.S. industry  | Jan  | 10   | 56 |    |
| PVC capacity at Plaquemine, La., to be doubled   | R    | Apr  | 4  | 29 |
| Sales and earnings in '73 first-quarter  | Apr  | 11   | 18 |    |
| Shoe Products Div. — first light-weight solid-rubber shoe sole, made of Neolite, so light, it floats   | June | 13   | 19 |    |
| Strike unlikely  | Apr  | 18   | 15 |    |
| Tentative three-year agreement reached with URW  | N    | May  | 2  | 8  |
| Goodyear Tire & Rubber of Canada — Valleyfield, Que., steel radial tires plant expansion   | R    | Feb  | 21 | 21 |
| Gould Inc. — David, Edward Jr., executive v-p: The White House is a tough act to follow  | May  | 2    | 40 |    |
| Grace, W.R. & Co. — Alcoa's mishap at Puerto Rican air-separation plant causes shutdown  | N    | Mar  | 14 | 11 |
| Ammonia-methanol project, 50-50 joint venture in Trinidad  | May  | 9    | 13 |    |
| Laporte-Davison, Inc. see under name   |      |      |    |    |
| Letterflex System Div. — process will permit 35-50 plastic printing plates/hour to be made directly from a photographic negative by one operator | N    | May  | 9  | 34 |
| Marco Chemical Div. will add 45 million lbs/year polyester resin capacity at Jacksonville, Ark.  | Mar  | 28   | 31 |    |
| Meeting (annual): looking to agricultural chemical expansion   | May  | 16   | 24 |    |
| Natural gas shortage curtails operation  | June | 20   | 13 |    |
| Phosphoric acid buildup  | Jan  | 3    | 33 |    |
| Puerto Rico: three new projects considered   | N    | May  | 16 | 17 |
| Sales and earnings in '72  | R    | Mar  | 14 | 21 |
| Grand City Containers — Stone Containers acquires assets and business  | R    | May  | 9  | 17 |
| Great Lakes Carbon Corp. — Ordered to shorten contracts under which it buys the entire raw coke output of eight petroleum refiners               | N    | June | 27 | 33 |
| Great Lakes Chemical — Dividend declared   | R    | Mar  | 14 | 21 |
| Kampen, Emerson: Long shot comes home for him  | Feb  | 28   | 56 |    |
| Kampen, Emerson will serve as acting president   | N    | Jan  | 10 | 10 |
| '73 outlook from E. Kampen   | Feb  | 14   | 24 |    |
| Sales and earnings in '72  | R    | Feb  | 28 | 19 |
| Swiff's Bromine line of flame retardants for flexible urethanes purchased  | May  | 16   | 24 |    |
| N May 9-33   |      |      |    |    |
| Great Salt Lake Minerals & Chemical — Gulf Resources buys remaining 49% from its partner Kall and Salz   | May  | 16   | 24 |    |
| More details   | May  | 23   | 23 |    |
| Grimm, W.T. & Co. — Merger activity during '72   | Jan  | 17   | 19 |    |
| Activity will accelerate in the CPI this year  | N    | Feb  | 21 | 13 |
| Mergers down   | Apr  | 11   | 20 |    |
| Grow Chemical Corp. — Grow-LEMSP additive system may combat lead poisoning in children   | N    | Jan  | 24 | 39 |
| New method of making powder coatings patented  | N    | June | 20 | 31 |
| Guardian Chemical — Advocates use of its Surtanol in low concentrations to prevent staph infections  | Jan  | 31   | 14 |    |
| Guardian Industries — Acquisition of Glass   |      |      |    |    |

|   |      |      |    |    |
|---|------|------|----|----|
| for Cars challenged   | R    | May  | 2  | 15 |
| Carleton, Mich. glass plant expansion   | R    | Mar  | 14 | 21 |
| Gulf Design — Phosphoric acid plant at Bartow, Fla., uses a reactor of unconventional design                    | Jan  | 3    | 34 |    |
| Gulf General Atomic Co. — Nuclear Power Products Co. see under name   |      |      |    |    |
| Gulf Oil — Chemicals' role to be increased  | N    | Feb  | 7  | 9  |
| Gulf Mineral Resources Div. — Vertical kiln process may end oil-from-shale bottleneck                           | Apr  | 18   | 33 |    |
| Nuclear entry: 50-50 joint venture with Royal Dutch/Shell   | June | 13   | 19 |    |
| Octane down, output up  | May  | 30   | 11 |    |
| OCAW gets new two-year contracts  | Jan  | 17   | 21 |    |
| Port Arthur refinery suffers reduction due to Coastal States curtailment of natural gas                         | N    | June | 13 | 13 |
| Reverse-osmosis equipment could get market lift from huge plant mapped by U.S.                                  | June | 13   | 17 |    |
| Spanish companies interest to be sold to UEE-Rio Tinto R Jan 17-44, R Apr 4-29                                  | N    | June | 6  | 33 |
| Stock offering  | Mar  | 7    | 16 |    |
| Gulf Oil Chemicals — Ethylene plant at Cedar Bayou, Tex. Apr 25-15  | R    | June | 13 | 21 |
| Plastics Div. adding HDPE capacity to its Orange, Tex. PE plant   | R    | Jan  | 17 | 18 |
| Gulf Research & Development — Work force will be cut 15% on Mar. 1  | N    | Jan  | 10 | 10 |
| Gulf Resources & Chemicals — Acquires the remaining 49% interest in Great Salt Lake Minerals from Kall and Salz | May  | 16   | 24 |    |
| More details  | May  | 23   | 23 |    |
| Allen: No company funds to persons involved in Watergate  | May  | 23   | 23 |    |
| Gwalior Rayon Silk Manufacturing — Causitic soda plant at Nagda onstream  | R    | Jan  | 10 | 46 |

## H

|   |      |      |    |    |
|---|------|------|----|----|
| H-M Plastics — Suit by Justice Dept. may cause Japanese to change their game plan for entering the U.S. market                  | N    | June | 13 | 13 |
| HOC Associates — Dow's Midland, Mich. complex: Landscape plan is aimed at transforming "Fortress Dow"                           | Feb  | 21   | 45 |    |
| Halby Chemical — Permanent wave market up   | June | 6    | 71 |    |
| Haicon/Allen — Interlake Steel's Chicago plant to install system for controlling coke-oven emissions                            | Jan  | 24   | 38 |    |
| Haldor Topsoe — Technology for Nigerian fertilizer complex  | May  | 2    | 23 |    |
| Hankook Corp. — Korean government conducting a feasibility study on expansion of caprolactam plant                              | Jan  | 10   | 46 |    |
| Harshaw Chemical — Thallium-activated sodium iodide crystal used in anti-theft device   | May  | 2    | 25 |    |
| TLD market  | June | 27   | 35 |    |
| Heidrick & Struggles — Survey: What's a chemical president?   | Jan  | 10   | 43 |    |
| Henkel GmbH — Formed Henkel Chemicals (Nigeria) to produce glues and industrial cleaning agents                                 | R    | Feb  | 21 | 39 |
| Sales for '72   | R    | Feb  | 7  | 16 |
| Henkel Chemicals (Nigeria) — Formed to produce glues and industrial cleaning agents   | R    | Feb  | 21 | 39 |
| Henkel, Inc. — Advanced Waste Treatment units: backbone of growth in pollution control  | Jan  | 10   | 35 |    |
| Army contracts to operate Radford, Va. ammunition plant and to modernize unit at Lawrence, Kan. plant                           | R    | May  | 2  | 15 |
| Birmingham, Ala. pollution suit will not be heard by Supreme Court  | Feb  | 28   | 16 |    |
| DMT sites sought worldwide; U.S. capacity expanded  | N    | Mar  | 14 | 12 |
| Food additives stake boosted with acquisition of Polak's Fruit Works, and construction of CMC unit at Harbor Beach, Mich. plant | Feb  | 28   | 19 |    |
| Foresees another banner year, President Brown tells shareholders at annual meeting  | Mar  | 28   | 22 |    |
| H-M Plastics see under name   |      |      |    |    |
| HOPE: U.S. PE-making partnership with Mitsui dissolved  | May  | 23   | 19 |    |
| Hopewell, Va., plant strike   | R    | May  | 23 | 20 |
| Japanese 50-50 joint venture to produce epichlorohydrin   | R    | Apr  | 4  | 29 |
| Correction — letter   | May  | 2    | 36 |    |
| '73 outlook from W. Brown   | Feb  | 14   | 24 |    |
| PP agreement for first plant in Taiwan  | N    | Jan  | 10 | 10 |
| PP expansions (table) Mar 14-19   | N    | Jan  | 11 | 15 |
| PP film capacity at Terre Haute, Ind., expansion  | R    | May  | 16 | 25 |
| PP plant will be built in Bayport, Tex.   | R    | June | 6  | 29 |
| PP structural foam frames for upholstered furniture   | R    | Apr  | 18 | 15 |
| Stock split, dividend increase planned  | R    | Feb  | 7  | 12 |
| Terephthalic acid unit at Wilmington, N.C.  | N    | Mar  | 14 | 12 |
| Hewlett-Packard — Lab computers do it faster  | May  | 9    | 36 |    |
| Hexcel Corp. — Acquisition of Fine Organics: another step in diversification  | Feb  | 28   | 18 |    |
| Hitachi Engineering — Nigerian fertilizer complex   | May  | 2    | 23 |    |

|   |      |      |    |    |
|---|------|------|----|----|
| Hitachi Shipbuilding & Engineering — Bids for construction of pulp plant in China   | R    | Feb  | 7  | 36 |
| Hoechst Australia — Profits down in '72   | R    | June | 20 | 19 |
| Hoechst Pharmaceuticals — Plans to establish a U.S. sales office next year in joint venture with Roussel-Uclaf                          | R    | May  | 9  | 28 |
| Hoechst Pharmaceuticals of Indonesia — Finishing plant at Djakarta started up   | R    | May  | 23 | 46 |
| Hoffman-La Roche — Block Drug buys Romilar and Zestabs lines  | R    | June | 6  | 35 |
| European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad                        | R    | June | 13 | 21 |
| Transquizers: U.K. affiliate must cut prices of Valium and Librium  | N    | Apr  | 11 | 36 |
| Fighting an order to cut prices in U.K.   | N    | Apr  | 25 | 30 |
| Facing further inquiries  | N    | May  | 2  | 28 |
| Holmes & Narver — Contract for Bunker Hill's copper plant   | N    | May  | 16 | 27 |
| Honeywell-Atlas — BP sells its 50% stake  | Apr  | 25   | 44 |    |
| Hong Kong Industries — PVC plant at Cilinging, Indonesia, planned   | R    | Apr  | 11 | 20 |
| Hooker Chemical — Chairman M. Messing retires; successor has not been chosen  | R    | Jan  | 10 | 46 |
| Chlorinated solvents production at Tacoma, Wash., stopped, because of LC cut in deliveries of calcium carbide due to power shortages    | N    | Jan  | 17 | 13 |
| Nitrogen prices   | N    | May  | 23 | 31 |
| Houbigant — Musk chemicals have the sweet smell of success  | N    | Jan  | 10 | 23 |
| Houston Chemical — Systems approach to auto emissions control that will meet '76 standards while using leaded fuels will be tested      | N    | Feb  | 21 | 49 |
| Houston Natural Gas — Methanol plant in Saudi Arabia in partnership with Petromin planned   | N    | Mar  | 14 | 39 |
| Houston Oil & Minerals — Meeting (annual) reports on first-quarter '73, capital expenditures  | June | 27   | 13 |    |
| Howmet Corp. — Acquisition of Texas Aluminum  | May  | 23   | 23 |    |
| Dow's continuous electrolytic titanium process to be used at Whitehall, Mich.   | Mar  | 7    | 16 |    |
| Hudson River Sloop Restoration Inc. — Will go into court to prevent Cyanamid from disposing of acid wastes from its Warners, N.J. plant | May  | 9    | 33 |    |
| Hunt, Philip A. Chemical — Sales and earnings in '72  | May  | 2    | 14 |    |
| Hydrocarbons Co. — Acquired by Dow  | Jan  | 17   | 20 |    |
| Hyon Waste Treatment Services — Contract waste treatment pay off: fast-growing service is built on low-cost plant operation             | Jan  | 10   | 35 |    |
| Hyundai Construction — Air-separation plant near Pangajin   | Apr  | 4    | 55 |    |
|   | R    | Feb  | 7  | 36 |

## I

|  |   |      |    |    |
|--|---|------|----|----|
| ISC Chemicals — Sulfuric acid plant at Avonmouth, Bristol  | R | Feb  | 14 | 34 |
| Imoco-Gateway — Pulling out of chemicals   | R | May  | 9  | 10 |
| Imperial Chemical Industries — Acquires BP's 50% stake in Honeywell-Atlas  | R | Apr  | 11 | 20 |
| Benzene commodity market plans have been canceled  | N | Jan  | 24 | 19 |
| Cellulose substitute for cigarette tobacco   | N | Feb  | 7  | 39 |
| Contract to supply liquid carbon dioxide to eight nuclear power stations in the U.K.                             | N | May  | 30 | 49 |
| Dispersion dyes for thermal printing   | N | Jan  | 10 | 23 |
| Ethylene joint venture with Norsk Hydro in England possible  | N | Feb  | 28 | 47 |
| Europe: ICI wants to boost automotive sales  | N | Jan  | 24 | 31 |
| European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad | N | Apr  | 18 | 31 |
| Fiber expansions in U.K.   | N | Apr  | 11 | 36 |
| Fuel additive to prevent fires after jet plane crashes showing promise   | N | Apr  | 20 | 20 |
| Futures for chemicals? — Tollen revives his proposal   | N | June | 13 | 43 |
| Intex plant at Larne, Northern Ireland, acquired by Courtaulds   | N | Apr  | 18 | 13 |
| Japanese paint makers (2) licensed to produce nonaqueous dispersion auto paints                                  | N | Feb  | 28 | 15 |
| Labor demands faced  | R | Apr  | 4  | 29 |
| Mitsui agrees to take over ICI's TFX resin   | N | Mar  | 21 | 47 |
| Paint operations at Slough, Buckinghamshire expansion  | N | June | 27 | 33 |
| Protein from methanol pilot plant  | R | Apr  | 18 | 29 |
| Reorganizes its domestic explosives business into a wholly owned subsidiary                                      | N | Feb  | 7  | 39 |
| Nobel's Explosives Co.   | N | Jan  | 31 | 23 |
| Runcom and Hillhouse VCM plants have operating difficulties  | N | Jan  | 17 | 23 |
| Sales and earnings in '72  | N | Feb  | 21 | 37 |
| '73 outlook  | N | Mar  | 14 | 30 |
| '73 first quarter  | N | May  | 30 | 15 |
| Soda ash finishing plant to be modernized  | N | May  | 23 | 46 |
| Top-level labor-management committee   | N | May  | 23 | 46 |

|   |      |      |    |    |
|---|------|------|----|----|
| will help shape major corporate decisions   | Mar  | 7    | 19 |    |
| Velinde: Synthetics aim for bigger cut of shoe market   | Mar  | 7    | 35 |    |
| White-collar workers seek recognition of the Assn. of Scientific, Technical and Managerial staffs as their negotiating agent                                      | Mar  | 28   | 21 |    |
| Workers asking for a 29% pay boost  | N    | Mar  | 28 | 32 |
| Workers accept moderate pay in creases  | N    | June | 13 | 39 |
| ICI America — Atlas explosives div. to be acquired by Tyler Corp. and Kinetics International  | R    | Mar  | 28 | 23 |
| Seeking a buyer for the explosives and aerospace operations it picked up with the acquisition of Atlas Chemical in '71  | N    | Jan  | 31 | 23 |
| Mylands: given two years to prove effectiveness   | Apr  | 11   | 19 |    |
| ICI Australia — Botany complex strike causes some shortages   | N    | Mar  | 21 | 47 |
| Sales, '73 first quarter  | R    | Mar  | 14 | 31 |
| Imperial Development Ltd. — Wood pulp cellulose plant in Scotland by '75  | N    | May  | 30 | 49 |
| Imperial Tobacco Ltd. — Wood pulp cellulose plant in Scotland by '75  | N    | May  | 30 | 49 |
| Indian Farmers Fertilizer Cooperative — Fertilizer plants planned   | Feb  | 7    | 36 |    |
| Industries Co. — EEOC suit charges discrimination   | May  | 9    | 15 |    |
| Indian Petrochemical Corp. — Acrylic fiber plant from Japan   | R    | Mar  | 7  | 20 |
| Dimethyl terephthalate plant at Gujarat   | R    | May  | 30 | 47 |
| Indupas — Argentina's PBB complex plant project   | Mar  | 14   | 30 |    |
| Industrial Development Corp. — Nylon plant planned  | R    | Jan  | 17 | 44 |
| Industrial Raw Materials Corp. — Imported wax   | Jan  | 24   | 33 |    |
| Industrias Quimicas Altamira — Acrylic fiber capacity boost   | R    | Apr  | 18 | 29 |
| Industriegas — Linde acquires 50% interest  | R    | Jan  | 17 | 44 |
| Infinitics Co. — Friskem anti-jacking device  | May  | 2    | 26 |    |
| Inmont Corp. — Herwall, John v-p of corporate development: Mountain climber explores new ventures   | Feb  | 7    | 48 |    |
| Polyester resin complex at Greenville, O.   | Feb  | 21   | 21 |    |
| Instituto Quimico — ECC fines Commercial Solvents and its Italian subsidiary IC about \$217,000 for "abuse of a dominant position"                                | N    | Jan  | 3  | 25 |
| Instituto Venezolano de Petroquímica — Methanol venture   | N    | Apr  | 18 | 39 |
| Intalco Corp. — BPA power cuts force production cutbacks  | Apr  | 25   | 21 |    |
| Interlake Steel — Chicago plant to install system for controlling coke-oven emissions   | Jan  | 24   | 38 |    |
| International Business Machines — Maintenance capabilities of computers   | Jan  | 31   | 35 |    |
| System 7 computers monitors and prints out data from 13 chromatographs in the analytical lab  | May  | 9    | 36 |    |
| International Commodities Export Corp. — Fertilizer contracts for aid to South Vietnam  | N    | Jan  | 31 | 9  |
| International Flavors & Fragrances — Fragrance market   | Mar  | 28   | 40 |    |
| International Minerals & Chemical — Acquires rights to phosphate reserves in Fla. N May 23-31   | R    | May  | 30 | 15 |
| Agreement with Swift to purchase phosphate materials  | Feb  | 21   | 21 |    |
| Estherazy, Sask. potash mine and mill strike ends   | R    | Feb  | 21 | 21 |
| Increases its stake in Sobin Chemicals in a deal that Sobin hopes will provide a "launching pad" for further growth   | June | 27   | 13 |    |
| Manganese processing plant will be re-opened by ESB   | R    | Feb  | 28 | 19 |
| Phosphoric acid buildup   | Jan  | 3    | 33 |    |
| Sales and earnings in '72   | Jan  | 17   | 20 |    |
| Six big customers lined up for phosphate fertilizer plant to be built near Bartow, Fla.   | N    | May  | 2  | 27 |
| Thuricide HPC: Aerial application of a biologic insecticide against gypsy moth has been approved  | N    | Apr  | 11 | 28 |
| International Nickel Co. of Canada — Outlines hopes for new markets for nickel  | Jan  | 3    | 13 |    |
| International Ore and Fertilizer Corp. — Fertilizer contracts for aid to South Vietnam  | N    | Jan  | 31 | 9  |
| International Paper — Base-point pricing under attack   | N    | Mar  | 21 | 27 |
| Meeting (annual): first-quarter results   | Apr  | 18   | 14 |    |
| Sales and earnings in '72   | Jan  | 17   | 20 |    |
| Ticonderoga, N.Y., pollution suit will be heard by Supreme Court  | Feb  | 28   | 16 |    |
| International Procurement & Service Corp. — Formed  | R    | Feb  | 7  | 36 |
| International Research Corp. — Institute will close Aug. 1, reason, says Pfeiffer, is that European companies have been emphasizing in-house, short-term projects | N    | Apr  | 11 | 28 |
| International Salt — Solar salt installation on Bonaire Island  | Apr  | 25   | 19 |    |
| Interox — Technology for Rumanian hydrogen peroxide plant   | R    | Apr  | 18 | 29 |
| Yugoslavian joint venture to produce hydrogen peroxide and to expand sodium perborate capacity  | R    | Feb  | 7  | 36 |

|  |     |      |    |    |
|--|-----|------|----|----|
| Interplastic Corp. — Commercial Resins Div. — polyester resin expansion                                  | Mar | 28   | 31 |    |
| Pryor, Okla., synthetic resins plant capacity upped  | R   | Apr  | 11 | 19 |
| Inter-Provincial Co-operatives Ltd. — Court actions on mercury dumping charges                           | Apr | 11   | 34 |    |
| Interprovincial Pipe Line Co. — Feasibility study on piping coal-oil in Canada                           | N   | May  | 2  | 31 |
| Inwood Knitting Mills — National Distillers retains Bibbs Co. to manage its subsidiary IKM               | R   | Feb  | 14 | 27 |
| Iowa Illinois Gas & Electric — Quad Cities' Units 1 and 2 get full-term licenses                         | Jan | 3    | 15 |    |
| IPAKO — Argentina's PBB complex plant project  | Mar | 14   | 30 |    |
| Iran-Nippon Petrochemical Co. — Japanese-Iranian joint venture complex near Abadan, Iran                 | N   | Jan  | 3  | 25 |
| Irradiation Industry Co-Op — Japanese process recycles scrap polytetrafluoroethylene economically        | N   | June | 6  | 56 |
| Ishikawajima-Harima Heavy Industries Ltd. — Contract for desalination plant                              | R   | May  | 9  | 28 |
| Engineering for HDPE plant in Mexico   | R   | May  | 2  | 23 |
| Isoanatos do Brasil S.A. — Du Pont will have 40% share in toluene diisocyanates plant in Camacari, Bahia | N   | June | 6  | 33 |
| Isoyanate Products — General Tire's polyether-urethane foam patent still holds                           | Jan | 3    | 15 |    |
| Iroquois Chemicals — Polyester resins plant at Cornwall, Ont.  | R   | Mar  | 28 | 34 |
| Israel Oxidation — Hydrogen peroxide and sodium perborate plant planned                                  | R   | Apr  | 18 | 29 |
| Itoh, C. — Acquires stock in Ecomplant   | R   | Jan  | 10 | 46 |
| Metallurgical coke marketing feasibility study   | R   | Apr  | 25 | 21 |

## J

|   |      |      |    |    |
|---|------|------|----|----|
| Jacks, Inc. — Teaming up with Allied to finance sales of private and corporate aircraft   | Feb  | 7    | 17 |    |
| Jacobs Engineering — Stockton tells AICHE how a batch niacin process was converted to a continuous, nonpolluting one in the early '50s                      | June | 13   | 41 |    |
| Japan Ammonium Sulphate Industry Assn. — Urea for India   | R    | Feb  | 21 | 39 |
| Japan Atomic Energy Research Institute — Joint research project to remove SO <sub>2</sub> and nitrogen oxides from heavy-oil flue gas with an electron beam | Apr  | 25   | 49 |    |
| Japan Catalytic Chemical — Catalyst know-how and the catalyst for Rohm & Haas' acrylate monomer plant   | N    | May  | 9  | 33 |
| Japan Gasoline Co. — MRG process for U.S. SNG plants  | May  | 2    | 33 |    |
| Japan Urea & Ammonium Sulphate Export — Urea for India  | R    | Feb  | 21 | 39 |
| Jeannette Corp. — To buy melamine plastic plant at Lake City, Pa., from Owens-Illinois  | R    | Jan  | 3  | 16 |
| Jefferson Chemical — Ethylene oxide prices  | N    | Mar  | 14 | 28 |
| General Tire's polyether-urethane foam patent still holds   | Jan  | 3    | 15 |    |
| Jenkins Laboratories — Hykaloid and Carbobats: FDA proposes ban   | Apr  | 11   | 19 |    |
| Jersey Nuclear — AEC authorizes use of previously classified data on uranium enrichment   | N    | Jan  | 17 | 14 |
| Johannesburg Consolidated Investment — Antimony Products Ltd. formed  | R    | May  | 30 | 47 |
| Johnson & Johnson — Cyanoacrylate sealant   | Mar  | 7    | 47 |    |
| Disposable diapers plants in Ill. and N.J. planned  | R    | June | 13 | 21 |
| Johnson, S.C. Co. — Regard: Wood-panel polish   | Apr  | 18   | 20 |    |
| Jones, Bardelheimer & Co. — Jones, Roger discusses deep-water terminals   | Jan  | 24   | 16 |    |
| Jovan, Inc. — Musk chemicals have the sweet smell of success  | Feb  | 21   | 49 |    |

## K

|  |      |     |    |    |
|--|------|-----|----|----|
| K & K Laboratories — Carcinogenic chemicals to be dropped                                      | Feb  | 7   | 41 |    |
| Kaiser Agricultural Chemicals Div. — Customer for IMC fertilizer plant                         | N    | May | 2  | 27 |
| Kaiser Aluminum & Chemicals — Aluminum conductor products prices                               | N    | Apr | 18 | 25 |
| Aluminum prices  | N    | Feb | 14 | 53 |
| Aluminum product prices are firming  | N    | Jan | 24 | 19 |
| BPA power cuts force production cutbacks   | Apr  | 25  | 21 |    |
| Eliminating off-list pricing on most aluminum sheet and plate products                         | N    | Jan | 10 | 23 |
| Master at N.Y. security analyst meeting predicts '73 profits will more than double last year's | June | 20  | 13 |    |
| Meeting (annual): '73 outlook  | May  | 2   | 12 |    |
| Reynolds bows out of bauxite mining in Ghana; Kaiser looking for a new partner                 | Jan  | 3   | 13 |    |
| St. Bernard Parish, La., will issue revenue bonds to help K&S finance pollution control units  | R    | Feb | 21 | 21 |
| Kali and Salz AG — ECC prohibits coopera-  |      |     |    |    |

|  |      |      |    |   |  |      |      |   |   |   |      |      |    |    |
|--|------|------|----|---|--|------|------|---|---|---|------|------|----|----|
| tion agreement with Soc. Commerciale des Potasses et de l'Azote Sarl   | N    | June | 20 | 20  | system based on chemicals  | May  | 2    | 26  | Contract for Neste's refinery   | Apr   | 25   | 28   |    |    |
| Gulf Resources buys remaining 49% in Great Salt Lake Minerals  | May  | 16   | 24 | Laboratoires Labaz — European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad   | Apr  | 11   | 36   | Lurgi — Methanol plant in W. Germany built  | Mar   | 14  | 31   |      |    |    |
| More details   | May  | 23   | 23 | La Maur — Permanent wave market up  | June   | 6    | 71   | Lysaght Durham Chemical — Zinc oxide plant near Bangkok, Thailand                                       | R   | Jan   | 17   | 44   |    |    |
| Kanebo — Japan acts against fiber cartel   | Jan  | 3    | 29 | Laporte-Davison Inc. — Formed   | R  | Jan  | 24   | 12  |   |   |      |      |    |    |
| Nylon capacity expanding   | N    | Mar  | 14 | 33  | SNG catalysts will be offered  | N    | Feb  | 21  | 41  |   |      |      |    |    |
| Kanegafuchi Chemical Industry — Synthetic protein plant at Takasago  | Jan  | 31   | 22 | Laporte Industries Ltd. — Forms a U.S. subsidiary   | R  | Jan  | 24   | 12  |   |   |      |      |    |    |
| Plant postponed  | R    | Mar  | 7  | 20  | Laporte-Davison Inc. — see under name  | R    | Jan  | 24  | 12  |   |      |      |    |    |
| Kansai Paint — License from ICI to produce auto paints   | R    | Apr  | 4  | 29  | Lea-Ronal — Cyanide-free electroplating process, developed by Monsanto, will be marketed   | N    | Jan  | 10  | 41  |   |      |      |    |    |
| Licenses Montedison to produce and market marine paints  | R    | May  | 30 | 48  | Leeds & Northrup — Controls for Army's arsenal metal plating wastes treatment unit   | May  | 2    | 35  | M&T Chemicals — American Can turning to ultraviolet-cured inks  | N   | Mar  | 14   | 39 |    |
| Kao Soap — Kao Industrial Research Lab. — maleic-based process for making tetrahydrofuran                          | N    | Apr  | 18 | 39  | Lenox Candle — Candle industry   | Jan  | 24   | 33  | Madera Corp. — Israel asks Allied to compensate the state for what it calls "heavy losses" sustained at the Arad chemical complex in the Negev desert | Mar   | 28   | 23   |    |    |
| Katenco Corp. — Expansion of Chicago plant's capacity to make catalysts based on nickel and zinc oxide             | Jan  | 10   | 17 | Leon Products — Deodorants and antiperspirants: FTC orders manufacturers to document ad claims  | June   | 6    | 26   | Magnalith Corp. — Hot-chamber magnesium casting machine   | Jan   | 17  | 24   |      |    |    |
| Kawasaki Heavy Industries — Agrees to license Monsanto's Enviro-Chem waste disposal and recovery system            | R    | May  | 2  | 23  | Lepetit — Antibiotics plant at Anagni, Italy   | R    | Jan  | 10  | 46  | Makhteshim Chemical — Plant near Beer-sheva, Israel, to produce pesticides, intermediates and pharmaceutical raw materials planned                    | R    | Mar  | 21 | 50 |
| Kaweco Beryllio Industries — Hazelton, Pa., beryllium refining plant strike: Health is an issue                    | May  | 23   | 18 | Leuna Works — LDPE plant in East Germany  | R  | Mar  | 7    | 20  | Malinkrod Chemical Works — Acquisition of Bowers Printing Ink   | R   | Jan  | 17   | 18 |    |
| Kellogg, M.W. Co. — Bidding for ammonia plant to be built for Technashipport                                       | N    | May  | 23 | 43  | Lever Bros. — Carboxy methylene oxysuccinate may replace phosphate   | Mar  | 21   | 28  | Stock splits  | R   | Feb  | 21   | 21 |    |
| Contractor for Shell's petrochemical plant   | N    | Apr  | 4  | 17  | Detergent marketers bracing for a major promotional battle in N.Y. as the state-wide ban on phosphate detergents takes effect  | N    | June | 6   | 36  | Manhattan Adhesives — Fuller, H.B. to purchase selected assets  | R    | June | 20 | 16 |
| Kellogg Continental see under name   | R    | Jan  | 10 | 46  | Maleic-based detergent patented  | Apr  | 11   | 23  | Marathon Oil — Hydrofluoric acid alkylation unit at Texas City, Tex., refinery  | R   | Mar  | 7    | 16 |    |
| Kellogg Continental BV formed  | R    | Jan  | 10 | 46  | Levy, W.J. Consultants Corp. — Kilgore, Richard at AICHE meeting points out that the U.S. has long-term alternatives for the hydrocarbons it will import to meet both energy and feedstock needs | Mar  | 21   | 45  | Marcel Paper — Paper mill and tissue converting operations in Orange, Calif., acquired by Potlatch Forests  | R   | Jan  | 10   | 18 |    |
| Kellogg-Lopkar process proves phosphoric acid manufacturing costs can be cut                                       | Jan  | 3    | 33 | Libbey-Owens-Ford — Justice Dept. modifications of a 25-year-old consent decree, will ease antitrust restrictions   | Jan  | 17   | 17   | Maremont Corp. — Antitrust counterclaim suit against Arvin Industries seeks triple damages              | R   | Jan   | 31   | 15   |    |    |
| Naphtha cracker in Korea   | Jan  | 10   | 46 | Liljeholms Steamfabrik — Sales and earnings rise in '72   | Mar  | 21   | 49   | Marubishi Chemical — Mislabeling of disinfectants and pesticides charged                                | Jan   | 17  | 19   |      |    |    |
| Kellogg Continental BV — Formed  | R    | Jan  | 10 | 46  | Lilly, Eli & Co. — DES as a "morning-after" birth-control pill okayed by FDA   | Feb  | 28   | 18  | Marles-Kuhlmann-Wyandotte — Belgium propylene oxide and polyethers plant expansion  | R   | May  | 2    | 23 |    |
| Urea projects for China  | N    | Feb  | 21 | 13  | Evaporator system for waste treatment  | May  | 9    | 31  | Merger with Dekachem  | R   | Jan  | 3    | 29 |    |
| Kellogg International — Design and technical supervision for Spanish ammonia plant                                 | R    | Jan  | 10 | 46  | Linde AG — Acquires 50% interest in Industriegas   | Jan  | 17   | 44  | Methylene diphenylene diisocyanate plant at BASF's Antwerp, Belgium, complex  | R   | Jan  | 3    | 29 |    |
| Petrobras Quimica's contract for ammonia plant and urea unit   | R    | May  | 23 | 46  | Ethylene and propylene plant for Rheinische Oelwerke   | R    | Feb  | 14  | 34  | Martin Marietta Aluminum — BPA power cuts force production cutbacks   | Apr  | 25   | 21 |    |
| KemaNord — Petrochemical output at Stenungsund complex increased   | R    | May  | 7  | 20  | Liquid Air, Inc. — Gas sales spark a building boom   | June | 13   | 25  | Martin Marietta Corp. — FMC purchases the Marox process   | N   | Feb  | 14   | 68 |    |
| PVC complex at Stenungsund expansion   | R    | May  | 2  | 23  | Liquid Carbonic Co. — Gas sales spark a building boom  | June | 13   | 25  | Marubishi Corp. — Venezuelan aluminum smelter studied N Mar 14-12   | R   | Mar  | 21   | 50 |    |
| PVC plant in Denmark   | Mar  | 21   | 49 | Liquid AG — Acquires 50% interest in Industriegas   | May  | 9    | 17   | Mass. planned   | R   | Jan   | 10   | 45   |    |    |
| Sales and earnings rise in '72   | Mar  | 21   | 49 | Liquifin AG — Liquifin bids for control of Ronson Corp. delayed as N.J. Court issues restraining order against a tender offer by Liquifin   | June   | 13   | 21   | Max Factor — Musk chemicals have the sweet smell of success   | Feb   | 21  | 45   |      |    |    |
| Kemira — Finland's biggest chemical maker did well in '72  | Apr  | 25   | 28 | Little, Arthur D. & Co. — Hegeman, G. predicts methanol ventures in the Mideast and North Africa will provide the impetus for large-scale petrochemical developments in those areas | Mar  | 14   | 37   | McCulloch Oil — Canadian subsidiary starts delivery of natural gas                                      | R   | May   | 23   | 24   |    |    |
| Kennecott Copper — Meeting (annual): Milliken pushing copper development despite pollution woes                    | May  | 9    | 15 | Report concludes salting of snow and ice on highways should continue, but the practice has to be limited  | N  | Feb  | 14   | 68  | McKee, Arthur G. & Co. — Vertical kiln process may oil from shale bottlenecks   | Apr   | 18   | 33   |    |    |
| Payment of \$66.9 million from OPIC in settlement of insurance covering KC's investment in El Teniente copper mine | R    | Jan  | 3  | 16  | Test-room method to set odor threshold   | Mar  | 14   | 35  | McLaughlin Gormley King — Synthetic pyrethrum, S-bioallethrin insecticide introduced at CSMA meeting  | May   | 23   | 42   |    |    |
| Kentico Industries — Robotech's copper tubing operations to be bought  | R    | May  | 2  | 15  | Will study how you get into the solar climate control business   | N    | May  | 16  | 48  | Mead Corp. — Paperboard mill near Stevenson, Ala.   | R    | June | 6  | 25 |
| Kerr-McGee Chemical — Expansion projects   | R    | Feb  | 21 | 21  | Lorita Gasoline Co. — Acquired by Petrolane Inc.   | R    | Jan  | 17  | 18  | Mediada — British Oxygen acquires 50% interest  | R    | May  | 2  | 23 |
| Titanium dioxide expansion   | R    | Apr  | 4  | 39  | Lone Star Exploration Ltd. — Will undertake a feasibility study for petrochemical complex at Broken Hill   | N    | June | 13  | 39  | Medical Developments Ltd. — Acquired by British Oxygen  | R    | May  | 2  | 23 |
| Kewanee Oil — Acquisition of All Phase Color   | R    | Apr  | 25 | 21  | Lonza — License to manufacture and sell Borex 210 resin from Standard Oil (Ohio)   | R    | Apr  | 4   | 29  | Meditronics, Inc. — Nuclear pacemaker   | R    | Apr  | 18 | 15 |
| Stock redemption   | R    | Feb  | 7  | 17  | PVC joint venture in Denmark   | R    | Mar  | 21  | 49  | Mern — Deodorants and antiperspirants: FTC orders manufacturers to document ad claims   | June | 6    | 24 |    |
| Kinetics International — Acquisition of ICI America's Atlas explosives div.  | R    | Mar  | 28 | 23  | Loriflex Lefranc — Pechiney Ugine acquires 30% interest  | R    | Apr  | 4   | 29  | Merck & Co. — Fine chemicals and pharmaceuticals caught at Tipperary, Ireland   | N    | Jan  | 17 | 21 |
| Kline, Charles H. & Co. — "Marketing Guide to the Paper and Pulp Industry"   | Apr  | 25   | 17 | Louisiana-Pacific Corp. — FTC consent order requires Georgia-Pacific to transfer to L-P about 20% of its assets   | N  | Jan  | 3    | 7   | Metallurgie Hoboken-Overpelt — To cooperate with UCB in R&D   | R   | May  | 2    | 23 |    |
| Think small to make it big in specialty chemicals: Charles H. Kline (chart & tables)                               | Jan  | 17   | 27 | Love Cosmetics — Musk chemicals have the sweet smell of success   | Feb  | 21   | 49   | Michelin — Anderson and Greenville, S.C., tire production units planned                                 | R   | Feb   | 21   | 2    |    |    |
| Kobe Steel — Venezuelan aluminum smelter studied N Mar 14-12   | R    | Mar  | 21 | 50  | Lucidol — Methyl ethyl ketone peroxide prices  | N    | May  | 9   | 35  | Former employees arrested in Cleveland on charges of trying to sell Firestone's Michelin secret formula for bonding radial tires                      | Feb  | 28   | 19 |    |
| Kolar Laboratories — Nonparaffin transparent candle based on polyamide resin                                       | Jan  | 24   | 33 | Lucidol — Methyl ethyl ketone peroxide prices   | N  | May  | 9    | 35  | International union leaders are mapping strategy against rubber giants  | N   | Apr  | 4    | 4  |    |
| Koppers Co. — Annual report includes operating results   | Mar  | 21   | 22 | Lummus Co. — Acetic acid plant built at Hall, Yorkshire, uses BP process  | R  | Mar  | 14   | 31  | Racal tied made in Canada by U.S. Treasury imposes countervailing duties  | Jan   | 17   | 1    |    |    |
| Meeting (annual): first-quarter earnings up  | Apr  | 4    | 23 | Arosol process for producing jet fuel and low-aromatic solvents   | May  | 16   | 48   | Michigan Chemical — Northwest Industries makes a cash tender for the remaining outstanding shares of MC | N   | Jan   | 24   | 1    |    |    |
| National Steel's Weirton, W.Va., new coke plant blast spotlights coke problems                                     | Jan  | 3    | 15 | Canadian heavy water plant will be fully operational later this year  | N  | Apr  | 18   | 39  | Miles Laboratories — Protein products   | R   | May  | 9    | 28 |    |
| OSHA issues 11 citations for job safety violations   | N    | Mar  | 28 | 17  | Chinese ethylene plant will use Lummus process   | N    | Jan  | 17  | 25  | Minerals — Fertilizer company plant at Barmore, Md., capacity added   | R    | Jan  | 17 | 1  |
| Korea Integrated Chemicals — Yosu complex  | June | 27   | 39 | Contract for Allied's soda ash operation at Green River, Wyo., expansion  | R  | Feb  | 7    | 17  | 3M Co. — Home-sewing market: notions line, including pattern adhesive, needle conditioner, fasteners  | May   | 16   | 3    |    |    |
| Jan 10-45  | June | 27   | 39 | Contract from Abadan Petrochemical for PVC expansion  | R  | Feb  | 21   | 39  | Vetco and MC will jointly test and market patented  | R   | Jan  | 17   | 1  |    |
| Korea Petrochemical — LDPE and VCM production at Ulsan will be doubled   | June | 27   | 39 | Engineering and design for AMAX's metal refinery at Fort Nickel, La.  | N  | Jan  | 17   | 35  | Mission Kleensweep Products — Mislabeling disinfectants and pesticides charged  | R   | Jan  | 17   | 1  |    |
| Korea Petrochemical — HDPE plant in Ulsan  | Jan  | 10   | 45 | Engineering on new sweetener plant for Searle & Co. and Ajinomoto   | N  | May  | 23   | 39  | Mississippi Chemical — Fertilizer expansions at Yazoo City and Pascagoula, Miss., plants  | R   | June | 27   | 1  |    |
| Korea Polyester — Terephthalic acid joint venture  | June | 27   | 39 | SNG plants  | May  | 2    | 33   | Yazoo City fertilizer company will get new major air pollution control systems                          | N   | Jan   | 17   | 1    |    |    |
| Kroyer — Burger-Pet 25% textured vegetable protein and 75% ground beef   | N    | May  | 9  | 26  | TPA: new approach to TPA based on ammonolysis  | N    | Mar  | 21  | 41  | Mitchell, George & Associates — FFC owns natural gas price hike, but requires Mitchell to spend the increased revenue to explore and develop more gas | Mar  | 7    | 1  |    |
| Kronos-Titan — Technology for Polish titanium dioxide plant  | R    | May  | 30 | 48  | How new process for making TPA reduces capital, operating costs  | Apr  | 11   | 27  | Mitchell Therapeutics — Deodorants and antiperspirants: FTC orders manufacturers to document ad claims  | June  | 6    |      |    |    |
| Krupp Chemieanlagenbau — Contract for Polish titanium dioxide plant  | R    | May  | 30 | 48  | Lummus Nederland — Contract from Kema Nord for PVC expansion at Stenungsund  | R    | May  | 2   | 23  |   |      |      |    |    |
| Kuraray — Japan acts against fiber cartel  | Jan  | 3    | 29 |   |  |      |      |   |   |   |      |      |    |    |
| Vinyl acetate and PV alcohol plant to be sold to China   | N    | Apr  | 4  | 41  |  |      |      |   |   |   |      |      |    |    |
| Kurita — Acquires stock in Ecomplant   | R    | Jan  | 10 | 46  |  |      |      |   |   |   |      |      |    |    |
| Kuwait Chemical Fertilizer — BP sells its 20% interest   | R    | Apr  | 11 | 20  |  |      |      |   |   |   |      |      |    |    |
| Kyowa Gas Chemical — Considering commercial production of DAMN   | R    | Jan  | 3  | 29  |  |      |      |   |   |   |      |      |    |    |

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| L | Laboratoire d'Electronique et d'Automatique Dauphinois — Military mine detection |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|

Laboratoire d'Electronique et d'Automatique  
Dauphinois — Military mine detection



|  |      |      |    |   |  |      |      |  |  |  |      |      |    |    |
|--|------|------|----|---|--|------|------|--|--|--|------|------|----|----|
| Mitsubishi Chemical Industries — Acrylic fiber joint venture with Cia Uniao Fabril awaits government approval              | R    | Feb  | 7  | 36  | LDPE plant at Texas City, Tex., refuses to die   | N    | Feb  | 21   | 13   | National Gypsum — Stock purchases  | R    | June | 20 | 16 |
| Plant to be built near Lisbon  | R    | May  | 30 | 47  | Meeting (annual): 73 sales and earnings  | N    | May  | 2  | 12   | National Helium — Interior Dept. trying again to cancel government helium supply contracts                                 | R    | Feb  | 14 | 28 |
| Fatty acid ester joint venture with Dainippon Sugar Mfg.   | R    | Feb  | 7  | 36  | Missouri court rules Monsanto has been engaging illegally in the insurance business by offering a company-paid medical and disability benefits plan to employees | N    | Feb  | 28   | 13   | National Petrochemical Co. — Japanese-Iranian joint venture complex near Abadan, Iran                                      | N    | Jan  | 3  | 25 |
| Iranian joint venture complex near Abadan, Iran  | N    | Jan  | 3  | 25  | Nylon prices   | N    | June | 28   | 23   | National Petroleum Co. of Trinidad — Ammonia-methanol project, 50-50 joint venture with Grace                              | R    | May  | 9  | 13 |
| Sales and earnings in '72  | R    | Mar  | 21 | 50  | Overseas sales and capital spending  | N    | Mar  | 28   | 34   | National Starch & Chemical — Acquires majority interest in Food Products, Ltd.   | R    | Mar  | 14 | 21 |
| South Australia site for a petrochemical complex considered  | N    | Apr  | 11 | 25  | Polyethylene prices  | N    | Feb  | 28   | 29   | National Steel Corp. — Alunite joint-venture agreement   | R    | Jan  | 31 | 15 |
| TPA process to be installed in plant at Kurosaki, Kyushu Island  | N    | Mar  | 21 | 41  | PVC units at Springfield, Mass., to be shut down   | N    | Apr  | 11   | 13   | Project will get pilot test  | N    | June | 13 | 43 |
| Mitsubishi Gas Chemical — U.S.-Japanese methanol venture being planned for Alaska  | N    | June | 20 | 20  | Researcher Uniland reports infrared spectra studies detect isocyanates on the surface of noble metal catalysts   | N    | Feb  | 14   | 68   | Weirton Steel Div.'s new coke plant in W.Va., blast spotlights coke problems   | N    | Jan  | 3  | 15 |
| Mitsubishi Group — Saudi Arabian petrochemical complex studied   | N    | Apr  | 11 | 25  | Rubber chemicals plant at Zarate, Argentina  | R    | Apr  | 4  | 29   | OSHA issues 11 citations for job safety violations   | N    | Mar  | 28 | 17 |
| Mitsubishi Heavy Industries — Ethylene plant for China   | N    | Feb  | 14 | 31  | Sales and earnings   | N    | May  | 2  | 12   | Natural Gas Pipeline Co. — Acquires rights to coal that is "ideally suited for gasification"                               | N    | Feb  | 7  | 39 |
| Mitsubishi International — Fleming Joffe Jentral, Ltd. see under name  | N    | Feb  | 14 | 31  | Spanish operations expansion   | N    | Mar  | 21   | 49   | Bay water will be used to soak up the cold value of LNG  | N    | Jan  | 31 | 39 |
| Joint venture to operate Ranchers' Bluebird copper mine in Miami, Ariz.  | R    | Feb  | 14 | 27  | Synthetic phenol prices  | N    | Mar  | 7  | 37   | Signs a letter of intent with Newport News Shipbuilding for the construction and purchase of two tankers                   | R    | Jan  | 10 | 18 |
| Mitsubishi Petrochemical — Ethylene plant for China  | N    | Feb  | 14 | 31  | Monsanto Enviro-Chem Systems — Contract by Texas Gulf for design and engineering of a sulfuric acid plant at Lee Creek, N.C.                                     | N    | Jan  | 3  | 16   | Nelson Chemicals — Contract waste treatment pay off, fast-growing service is built on low-cost plant operation             | R    | Apr  | 4  | 55 |
| Higher-alcohols plant  | R    | May  | 2  | 23  | Landgrant process will get a commercial test in Baltimore  | N    | Feb  | 7  | 39   | Neste Oy — Aroclor process for producing jet fuel and low-aromatic solvents developed at Naantali, Finland, refinery       | N    | May  | 16 | 48 |
| LDPE plant for Peking  | N    | May  | 2  | 24  | Monsanto Polymers & Petrochemicals — Amino coating resins expansion at Springfield, Mass., plant   | R    | Mar  | 28   | 23   | Contract to Lummus for refinery awarded  | N    | Apr  | 25 | 28 |
| Polypropylene: company looks for joint venture with an American partner  | N    | Feb  | 21 | 37  | Monsanto Research Corp. — Contract to develop fabrication technology for hollow-fiber assemblies for reverse-osmosis desalting                                   | N    | June | 13   | 17   | Putting increased emphasis on petrochemicals   | R    | Apr  | 25 | 28 |
| Sales and earnings in '72  | R    | Feb  | 21 | 39  | Monsanto Textiles — Fiber slowdown ahead? MT's economic forecast   | N    | Feb  | 7  | 16   | Nestle Co., Inc. — Coffee manufacturing plant at Freehold, N.J., uses evaporator system for waste treatment                | R    | May  | 9  | 31 |
| Thailand's Siracha petrochemical complex: End of an impasse  | Mar  | 14   | 30 | PNW nylon Type XOS tailored for wet-laid nonwovens and specialty papers   | N  | May  | 2    | 32   | New Jersey Zinc — Sulfuric acid recovery plant for its titanium dioxide wastes   | R  | June | 27   | 45 |    |
| Mitsubishi Rayon — Biodegradable surfactants will be produced and sold in Japan  | N    | Jan  | 24 | 19  | Polyester tire yarn plant at Decatur, Ala., will convert to production of nylon carpet and other fibers  | R    | Mar  | 21   | 24   | Titanium dioxide expansion   | R    | Apr  | 4  | 39 |
| Ethoxylate plant and linear alcohol unit using UC technology planned   | R    | Mar  | 28 | 34  | Montecatini-Edison — Acquisition of Fabricacion de Anilinas y Productos Quimicos   | R    | June | 6  | 35   | Newfoundland Refining Ltd. — Oil refinery at Come-By-Chance delayed  | N    | May  | 2  | 7  |
| Japan acts against fiber cartel  | Jan  | 3    | 29 | Aluminum plants to be sold to EFIM  | N  | June | 13   | 39   | Newmont Mining — Merger proposal to Foote Mineral  | R  | Mar  | 7    | 15 |    |
| Mitsui & Co. — Bidding for ammonia plant to be built for Technashipport  | N    | May  | 23 | 43  | Bidding for ammonia plant to be built for Technashipport   | N    | May  | 23   | 43   | Proposed merger canceled   | R    | Mar  | 7  | 15 |
| Mitsui International Procurement & Service Corp.   | R    | Feb  | 7  | 36  | Corisica: Riots over deep-sea disposal of titanium dioxide production wastes from Scarfano plant   | N    | Feb  | 28   | 43   | Newport News Shipbuilding — Natural Gas Pipeline signs a letter of intent for the construction and purchase of two tankers | R    | Jan  | 10 | 18 |
| Mitsui Group — Electrolytic manganese dioxide plant in Ireland   | N    | Apr  | 4  | 41  | European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad   | Apr  | 11   | 36   | Nihon Rilsan — Nylon-12 monomer laurylac-tam joint venture R Apr 4-29  | R  | May  | 2    | 23 |    |
| Mitsui Petrochemical Industries — Agreement with ICI to take over ICI's TPA resin  | N    | June | 27 | 33  | Glass fibers at Vado Ligure plant, under a license from Johns-Manville   | R    | Mar  | 28   | 34   | Nippon Paint — License from ICI to produce auto paints   | R    | Apr  | 4  | 29 |
| H-M Plastics see under name  | N    | June | 27 | 33  | Kansai's marine paint to be produced and marketed  | R    | May  | 30   | 48   | Nippon Petrochemical — Thailand's Siracha petrochemical complex. End of an impasse   | Mar  | 14   | 30 |    |
| HDPE: Hercules, Mitsui dissolve U.S. PE-making partnership   | May  | 23   | 19 | Loan to finance research program in anti-parasitic pesticides   | R  | May  | 2    | 23   | Nippon Zeon — Joint venture to produce epichlorohydrin in Japan  | R  | Apr  | 4    | 29 |    |
| Hydroquinone plant   | R    | June | 20 | 19  | Perchloroethylene plant at Porto Marghera, Italy at full capacity  | R    | Apr  | 4  | 29   | Correction — letter  | R    | May  | 2  | 36 |
| Thailand's Siracha petrochemical complex: End of an impasse  | Mar  | 14   | 30 | Polypropylene patent winner   | N  | Feb  | 14   | 68   | Nishio-hwa — Iranian joint venture complex near Abadan, Iran   | R  | Jan  | 3    | 25 |    |
| Mitsui Sanboku Petrochemicals — Phenol and acetone plant near Osaka  | N    | Jan  | 31 | 19  | Private and government owners will share control of the company  | N    | Apr  | 18   | 31   | Plant joint venture plant in Singapore   | R    | Jan  | 17 | 44 |
| Mitsui Toatsu Chemical — Fertilizer plant sold to China  | N    | Apr  | 25 | 27  | Sales: Grandi says Montedison may be able to show a profit this year; first-quarter figures  | N    | May  | 9  | 29   | Nitrogen Eireann Teoranta — Nitric acid plant at Arklow  | R    | May  | 9  | 28 |
| Phenol and acetone plant near Osaka to start up  | Jan  | 31   | 19 | Sulfuric acid pelletizing plant at Folonica expansion   | R  | Mar  | 14   | 31   | Nitroven — Ammonia-urea plant at El Tablazo opened   | Jan  | 17   | 43   |    |    |
| Thailand's Siracha petrochemical complex: End of an impasse  | Mar  | 14   | 30 | USSR plans: Montedison would sell chemical plants and technology, take payment in basic chemicals and intermediates   | N  | Mar  | 7    | 33   | Nitto Bosaki — Japan acts against fiber cartel   | Jan  | 3    | 29   |    |    |
| Mwong Industrial — Styrene monomer unit in Korea   | Jan  | 10   | 45 | Montedison Hispania — Expansion   | N  | June | 6    | 35   | Nitto Chemical Industry — Ethoxylate plant and linear alcohol unit using UC technology planned                           | R  | Mar  | 28   | 34 |    |
| Mobay — Industrial Chemicals Div.: Devaluation may push company into making industrial chemicals in the U.S.               | N    | Mar  | 7  | 9   | Moore & McCormack — Diamond Shamrock's decision to sell Pickles. M&M was not financially motivated says chairman Hughes  | N    | Jan  | 3  | 7  | Nobel's Explosives Co. Ltd. — ICI organizes its domestic explosives business into a wholly owned subsidiary                | N    | Jan  | 31 | 23 |
| Mo och Domsjo — Swedish government acquires MoDo Kemi  | May  | 23   | 45 | Morhanges Cie. — France indicts officers of two companies charged with manslaughter in connection with the accidental deaths of 41 babies tested last year with talcum powder containing large amounts of hexachlorophene | Jan  | 3    | 12   | Norda Essential Oils & Chemical — Fragrance market   | Mar  | 28   | 40   |      |    |    |
| Mobil Chemical — Beaumont, Tex., ethylene plant boosting capacity  | Apr  | 25   | 15 | Multi Minerals Ltd. — Phosphoric acid build-up  | Jan  | 3    | 33   | Nordengren Patent A.B. — Travelling-belt filter will get its first test in Olm's Pasadena, Tex., phosphoric acid plant | N  | Apr  | 4    | 47   |    |    |
| Donovan, R.G. at AIChE meeting foresees bright future for the petrochemical industry                                       | Mar  | 21   | 45 | Murphy Body Works — General Tire's poly-ether-urethane foam patent still holds  | Jan  | 3    | 15   | Norsk Hydro — Ethylene joint venture with ICI in England possible  | N  | Jan  | 24   | 31   |    |    |
| Fertilizer operations and polyethylene business solid; plans to stop making TPA, but will remain active in chemicals       | Apr  | 11   | 20 | NL Industries — Antimony oxide prices   | N  | Feb  | 21   | 25   | Process mixes stack gases with sea water to produce a sulfate that can be disposed of in the sea                         | Apr  | 18   | 35   |    |    |
| Terephthalic acid plant at Beaumont, Tex., sold to Velocel N Apr 4-37  | Apr  | 11   | 20 | Magnesium: purchase of 10,000 tons from stockpile   | N  | June | 6    | 21   | Norsk Vitefabrik A.S. — Process mixes stack gases with sea water to produce a sulfate that can be disposed of in the sea | Apr  | 18   | 35   |    |    |
| Mobil Oil — Chinese talks discuss exploitation of possible oil reserves in the outer continental shelf under the China Sea | May  | 30   | 14 | Outlook brightens for titanium dioxide suppliers; producers raise prices, add new capacity as sales pick up   | Apr  | 4    | 39   | North American Rockwell Microelectronics Co. — Liquid crystals in mini-calculators                                     | Feb  | 7  | 28   |      |    |    |
| Octane down, output up   | May  | 30   | 11 | Sayreville, N.J., titanium pigments plant granted EPA 90-day discharge permit   | May  | 2    | 14   | Northwest Utilities — Nuclear generating plant at Millstone Point site in Waterford, Conn. OK asked                    | R  | Feb  | 28   | 19   |    |    |
| OCAW strikes at Torrance, Calif., and Ferndale, Wash., ended; walkout at Beaumont, Tex., refinery continues                | Jan  | 24   | 15 | NSU — Powder-metal titanium carbide seal  | June   | 13   | 29   | Northern Natural Gas — Studying projected for four coal gasification plants and a 700-mile pipeline                    | N  | Mar  | 28   | 25   |    |    |
| Model Roland & Co. — U.S. petrochemical industry survey sees healthy growth in the '70s                                    | N    | June | 13 | 13  | Nalco Chemical — Catalysts: Nalco drops refining catalyst, affiliate boosts output of others   | Jan  | 10   | 17   | Northern Petrochemical — Sampson, Herbert chairman and president. Farmer out to make profits grow                        | Apr  | 18   | 48   |    |    |
| MoDo Kemi — Acquired by Swedish government from Mo och Domsjo  | May  | 23   | 45 | National Can Co. — Coffee products plant running an in-house evaluation on a plastic container  | N  | Apr  | 25   | 30   | Northrop Huemem — Glass-fiber barges for Pacific Far East Line   | R  | Mar  | 7    | 16 |    |
| Molybdenum Corp. — Chemical uses: best bet in molybdenum's future  | Jan  | 3    | 18 | National Distillers & Chemical — Retains Bibbo Co. to manage its subsidiary Inwood Knitting Mills   | R  | Feb  | 14   | 27   | Northwest Industries — General Battery stockholders will be offered \$34/share   | N  | Feb  | 21   | 17 |    |
| Monsanto & Co. — Acrylic fiber plant at Lingen, Germany  | R    | Feb  | 21 | 39  | U.S. Industrial Chemicals — Texas curtails gas supplies  | Jan  | 3    | 14   | Heinemann, Ben predicts bright picture for '73   | Feb  | 21   | 18   |    |    |
| Annual report includes operating results   | Mar  | 21   | 22 | NL Industries — Antimony oxide prices   | N  | Feb  | 21   | 25   | Makes a cash tender for the remaining outstanding shares of Michigan Chemical  | N  | Jan  | 24   | 9  |    |
| Australia: company may join Broken Hill Pty. in building styrene monomer plant in Victoria                                 | N    | June | 6  | 33  | Magnesium: purchase of 10,000 tons from stockpile  | N    | June | 6  | 21   | Northwest Pipeline — APCO group will own 20%   | N    | Mar  | 14 | 23 |
| Borden licensing agreement for some PVC technology   | N    | Apr  | 11 | 13  | Outlook brightens for titanium dioxide suppliers; producers raise prices, add new capacity as sales pick up  | Apr  | 4    | 39   | Northern Petrochemical — Sampson, Herbert chairman and president. Farmer out to make profits grow                        | Apr  | 18   | 48   |    |    |
| Ethylene anhydride resins plant at Luling, La., onstream   | R    | June | 6  | 29  | NSU — Powder-metal titanium carbide seal   | June | 13   | 29   | Northrop Huemem — Glass-fiber barges for Pacific Far East Line   | R  | Mar  | 7    | 16 |    |
| Expandable polystyrene bead plant at Springfield, Mass.  | R    | Jan  | 14 | 21  | Nalco Chemical — Catalysts: Nalco drops refining catalyst, affiliate boosts output of others   | Jan  | 10   | 17   | Northwest Industries — General Battery stockholders will be offered \$34/share   | N  | Feb  | 21   | 17 |    |
| GAP crystals   | Feb  | 7    | 28 | National Can Co. — Coffee producer is running an in-house evaluation on a plastic container   | N  | Apr  | 25   | 30   | Heinemann, Ben predicts bright picture for '73   | Feb  | 21   | 18   |    |    |
| Hanley gives rosy report on second-quarter income at N.Y. Soc. of Security Analysts  | June | 27   | 12 | National Distillers & Chemical — Retains Bibbo Co. to manage its subsidiary Inwood Knitting Mills   | R  | Feb  | 14   | 27   | Makes a cash tender for the remaining outstanding shares of Michigan Chemical  | N  | Jan  | 24   | 9  |    |
| Hanley, John, new president receiving minimum \$400,000/year   | R    | Mar  | 21 | 24  | U.S. Industrial Chemicals — Texas curtails gas supplies  | Jan  | 3    | 14   | Northwest Pipeline — APCO group will own 20%   | N  | Mar  | 14   | 23 |    |
| Kawasaki Heavy Industries to license Enviro-Chem waste disposal and recovery system  | R    | May  | 2  | 23  |  |      |      |  | Norton-Norwich Products — Nor-Am Div. Lanex, broad-spectrum cotton herbicide, price boost is under fire                  | N  | Apr  | 11   | 14 |    |
| Lee-Ronal will market a new cyanide-free electroplating process  | N    | Jan  | 10 | 41  |  |      |      |  | Norwich Pharmacal — Triactin: FDA pro-   |  |      |      |    |    |

(N Newsletter, R Roundup.)

|   |      |      |    |   |  |      |     |  |  |  |      |     |    |    |
|---|------|------|----|---|--|------|-----|--|--|--|------|-----|----|----|
| toys are becoming more popular as a result of child safety laws   | May  | 9    | 21 | built   | R  | May  | 2   | 15   | broadening   | May  | 2    | 23  |    |    |
| KCEL Corp. see under name   |      |      |    | Polyester resin unit that will boost the company's capacity to 250 million lbs/year by late '74   |  | Mar  | 28  | 31   | Rubinstein, Helena — Colgate-Palmolive seeking to acquire HR   | R  | May  | 30  | 15 |    |
| Polysar Ltd. — New name for Polymer Corp.   | R    | Apr  | 11 | 20  | Reinforced plastics win big everywhere   | Mar  | 28  | 31   | Musk chemicals have the sweet smell of success   |  | Feb  | 21  | 49 |    |
| SOAP project isn't dead   | N    | May  | 30 | 9   | Rosin-ester plant at Gulfport, Miss. planned   | R    | May | 2  | 15   | Ruhr-Pulverlack — Ferro licenses powder coating technology | R    | Apr | 11 | 18 |
| Polysciences Inc. — Resins for the dental supply industry   | Mar  | 7    | 47 | Tenneco's Newport Div. acquired   | R  | May  | 30  | 15   | Ruhrgas — Natural gas contract   | R  | Jan  | 31  | 15 |    |
| Portland Cement Co. — Attachment has the effect of boosting stock height 20%  | N    | May  | 23 | 40  | Tenneco's Newport Div. acquisition is part of RC's bid for "technological synergy" in resin operations           | June | 6   | 25   | Rutile and Zircon Mines — Sherwin-Williams licenses process to produce synthetic rutile ore from ilmenite sands at Ashtabula | Feb  | 28   | 21  |    |    |
| Porvair Ltd. — Synthetics aim for bigger cut of shoe market   | Mar  | 7    | 35 | Urea-ammonia plant at St. Helens, Ore. onstream   | R  | Mar  | 14  | 21   |  |  |      |     |    |    |
| Potash Co. of America — Potash prices   | N    | Apr  | 25 | 30  | Republic Steel Corp. — Nickel extraction process will permit use of new ores and will improve recovery           | Mar  | 21  | 42   | SCM Corp. — Acquires Tintas Ypiranga from Exxon  | R  | Jan  | 24  | 32 |    |
| Potlatch Forests — Acquires Marcal's paper mill and tissue-converting operations in Orange, Calif.                            | R    | Jan  | 10 | 18  | South Chicago works will have system to completely recycle all waste water                                       | Mar  | 7   | 43   | N.Y. Society of Security Analysts hears prospects  | May  | 30   | 14  |    |    |
| Princeton Polymer Laboratories — Additive for photodegrading polymers licensed  | N    | Mar  | 14 | 40  | Rexene Polymers — ABS resins prices  | May  | 2   | 28   | St. Joe Minerals — RSR charging SJM with misrepresentations in connection with RSR's acquisition of Quemetco                 | R  | Feb  | 21  | 21 |    |
| Procon Ltd. — Canadian oil refinery project at Come-By-Chance, Newfoundland, delayed  | N    | May  | 2  | 7   | Rexer Pharmaceutical — Amphetamine: U.S. puts down diet "ups"  | Apr  | 11  | 19   | Sales and earnings in '72  | R  | Jan  | 17  | 20 |    |
| Contract for Sonatrach's natural gas liquefaction plant at Arzew, Algeria   | R    | Feb  | 21 | 21  | Reynolds Aluminum — BPA power cuts force production cutbacks   | Apr  | 25  | 21   | '72 profits, '73 forecast  | R  | Mar  | 14  | 16 |    |
| Procter & Gamble — Deodorants and antiperspirants; FTC orders manufacturers to document ad claims                             | June | 6    | 26 | Reynolds Metals — AEC authorizes use of previously classified data on uranium enrichment  | N  | Jan  | 17  | 14   | St. Regis Paper — Wirebound Div. to be acquired by General Box   | R  | June | 6   | 29 |    |
| Detergent marketers bracing for a major promotional battle in N.Y. as the state-wide ban on phosphate detergents takes effect | N    | June | 6  | 36  | Blumenreich at the '73 Aluminum Finishing Seminar  | N    | Mar | 21   | Salgema Industrias Quimicas — Chlor-alkali facility being built at Maccos, Bahia   | Mar  | 14   | 29  |    |    |
| Home permanent wave market  | June | 6    | 71 | Bows out of bauxite mining in Ghana   | Jan  | 3    | 13  | Salzgitter — LDPE plant for Ukraine  | N  | May  | 23   | 43  |    |    |
| Quincy, Mass., fatty acid plant expansion   | R    | May  | 23 | 24  | Rhone-Poulenc — Ethylene and propylene plant started up  | Feb  | 14  | 34   | Sam Yang Co. — Terephthalic acid joint venture   | June   | 27   | 39  |    |    |
| Test marketing a new unibut HDL, called Era   | Apr  | 11   | 32 | Rhone-Poulenc — European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad  | Apr  | 11   | 36  | Sandoz — European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad  | Apr  | 11   | 36   |     |    |    |
| West German subsidiary annual report  | R    | Jan  | 24 | 32  | Sales and earnings in '72  | R    | Mar | 28   | Sales and earnings in '72  | R  | Mar  | 21  | 50 |    |
| Proprietary Perfumes Ltd. — Tackles U.S. fragrance market   | Mar  | 28   | 40 | Richardson Co. — Polystyrene plant bought from Petrochemical Investment   | N  | June | 13  | 39   | Sandoz-Wander — Sanorex (mazindol)   | R  | Mar  | 21  | 50 |    |
| Prototype Packaging — Brockway Glass will acquire Prototype Packaging   | R    | June | 13 | 21  | Richardson-Merrell — Diethylpropion products, Tenuate and Tepanil: BNDD plans to impose restrictions             | June | 27  | 15   | BNDD imposes restrictions  | June   | 27   | 15  |    |    |
| Public Service Co. of Oklahoma — Nuclear power generating plant SW of Inola planned   | R    | May  | 23 | 24  | Kolanlyl: FDA proposes ban   | Apr  | 11  | 19   | Santos Ltd. — South Australia site for a petrochemical complex considered  | N  | Apr  | 11  | 25 |    |
| Public Service Electric & Gas — SNG: First plant in U.S. gasifies naphtha for peak shaving                                    | May  | 2    | 33 | Rigips Baustoffwerke — Rigips Nederland see under name  | Feb  | 7    | 36  | Sanyo Chemical Industries — Nagoya high-molecular-weight flocculant capacity increase  | R  | Feb  | 14   | 34  |    |    |
| SNG unit onstream at Harrison, N.J.   | R    | Apr  | 11 | 19  | Rigips Nederland — Gypsum board plant in Netherlands to be built   | R    | Feb | 7  | Saras Chemical — Feedstock for petroleum-derived proteins plant at Sardoch, Sardina  | R  | Mar  | 7   | 20 |    |
| Puerto Rico Oilfields — Corco-PPG's Penulas project: suit over costs  | Jan  | 31   | 14 | Rio Tinto — Titano S.A. see under name  | Mar  | 7    | 16  | Sauerefabrik Schweizerhall — Chlorine plant completed  | Feb  | 14   | 34   |     |    |    |
| Anatomy of a lawsuit  | Feb  | 7    | 15 | Rio Tube Nickel Mining — UOP will sell its 40% interest in RTN to Pacific Metals  | R  | Mar  | 7   | 16   | Schering — Sales and earnings in '72   | R  | Jan  | 24  | 32 |    |
| Penulas plant will be back in production  | R    | May  | 23 | 24  | Robertson Distribution Systems — Diamond signs first "integrated service" contract in chemical distribution pact | Mar  | 21  | 31   | Scientific Design — Engineering for Mexican bisphenol plant  | R  | Jan  | 24  | 32 |    |
| Pure-Pac Pharmaceutical — FDA warns containers supposedly filled with epsom salt, may actually contain potassium nitrate      | June | 20   | 15 | Robinson, H.H. Co. — Freeman Chemical Corp. see under name  | Jan  | 31   | 15  | Scott-Chatham Co. — Tanera: new shoe material  | N  | Feb  | 21   | 25  |    |    |
| Purex Corp. — Mislabeling disinfectants and pesticides charged  | Jan  | 17   | 19 | Robins, A.H. Co. — Pandamin, soon to get FDA clearance  | Feb  | 21   | 37  | Synthetics aim for bigger cut of shoe market   | R  | May  | 2    | 15  |    |    |
| Polyflex, liquid hydrogen peroxide, will be marketed as a household laundry bleach  | N    | Mar  | 14 | 28  | Robinson Bros. — Gas strike cuts supplies  | Feb  | 21  | 37   | Scott-Chatham Co. see under name   |  |      |     |    |    |
| Polyflex bleach introduced  | Apr  | 25   | 51 | Robintech — Copper tubing operations to be sold to Kencico Industries   | R  | May  | 2   | 15   | Scott's Liquid Gold, Inc. — Liquid Gold: wood-panel polish   | Apr  | 18   | 20  |    |    |
| Pylam Products — Dye supplier to the candle market  | Jan  | 24   | 33 | PVC capacity takes off (table)  | Jan  | 31   | 13  | Seaboard Coast Line — Phosphate rock loading terminal shut down by collapse of huge loading boom   | June   | 20   | 15   |     |    |    |
|   |      |      |    | PVC resin plant at Freeport, Tex., planned  | R  | June | 27  | 15   | Searle, G.D. & Co. — Stock split, dividend increase planned  | Feb  | 7    | 12  |    |    |
|   |      |      |    | Rocky Mountain Dental Products — Polycarbonate brackets   | Mar  | 7    | 47  | Will join Ajinomoto in building a plant in the U.S. to produce new amino acids-based sweetener R May 9-17  | May  | 23   | 39   |     |    |    |
|   |      |      |    | Rohm & Haas — Acrylate monomer plant in Deer Park, Tex. planned   | R  | June | 27  | 15   | Sears, Roebuck & Co. — Vaught says that in 10 years radiats will have captured 60-80% of the tire market                     | Jan  | 31   | 21  |    |    |
|   |      |      |    | Acrylate monomer plant site will be determined by availability of feedstocks  | N  | May  | 2   | 7  | Sentrachem — Calcium hypochlorite joint plant at Chloropak, Transvaal  | R  | Jan  | 24  | 32 |    |
|   |      |      |    | Acrylate monomer plant will get catalyst know-how and the catalyst from Japan   | N  | May  | 9   | 33   | Selch — New name for Swift's chemical div.   | R  | Jan  | 3   | 16 |    |
|   |      |      |    | Catalytic Chemical — Gregory: "In our industry, we have best growth dynamics"   | Jan  | 24   | 12  | Setco Cie. — France indicts officers of two companies charged with manslaughter in connection with the accidental deaths of 41 babies treated last year with talcum powder containing large amounts of hexachlorophene | Jan  | 3  | 12   |     |    |    |
|   |      |      |    | Gregory has changed solid but slow-moving chemical firm into growth-oriented pacesetter, but he faces problems in diversifying into fibers and health products (charts) | June   | 20   | 32  | Shaheen Natural Resources Co. — Carlson, Carl at AICHE meeting discusses prices  | Mar  | 21   | 45   |     |    |    |
|   |      |      |    | Methyl methacrylate monomer expansion at Houston  | R  | Apr  | 11  | 19   | Shell Chemical — Compounding unit at Marietta, O., thermoplastic rubber complex planned                                      | R  | Mar  | 7   | 16 |    |
|   |      |      |    | Methyl methacrylate prices  | N  | Apr  | 25  | 30   | Deer Park, Tex., plant strike: tentative agreement signed  | N  | May  | 23  | 15 |    |
|   |      |      |    | Rollins-Purle — Contract waste treatment pay off: fast-growing service is built on low-cost plant operation   | Apr  | 4    | 55  | Denver plant: How much is strike hurting Shell?  | May  | 9  | 16   |     |    |    |
|   |      |      |    | Ronson Corp. — Liquigas bids for control of RC delayed as N.J. Court issues restraining order against a tender offer by Liquifin AG                                     | R  | June | 13  | 21   | OCAW strikes three West Coast chemical plants  | R  | Jan  | 31  | 15 |    |
|   |      |      |    | Rorer, William H. Co. — Methaqualone: government's decision to put methaqualone under strict controls will be challenged  | N  | Apr  | 18  | 18   | Petrochemical plant planned at Norco, La. refinery   | N  | Apr  | 4   | 17 |    |
|   |      |      |    | Rothschild, L.F. & Co. — Aldrich addressing 1st Industrial Water & Pollution Control Conference & Exposition: Counting complex cleanup costs                            | Mar  | 28   | 41  | Polystyrene plant at Carrington, England   | R  | Jan  | 3    | 29  |    |    |
|   |      |      |    | Roussel-Uclaf — European companies have increased profits by diversifying into pharmaceuticals, are expanding at home and abroad  | Apr  | 11   | 36  | Shell Development Co. — "If it doesn't fit — forget it" — report   | Mar  | 14   | 8    |     |    |    |
|   |      |      |    | Plans to establish a U.S. sales office next year in joint venture with Hoechst Pharmaceuticals  | May  | 9    | 28  | Correction — letter  |  |  |      |     |    |    |
|   |      |      |    | Sales and earnings in '72   | R  | May  | 9   | 28   | Shell Oil — Houston refinery four-month strike settled   | May  | 30   | 15  |    |    |
|   |      |      |    | Royal Dutch/Shell — Cutting back by 25% the amount of oil it will deliver to Repesa N   | May  | 2    | 24  | OCAW strikes three West Coast chemical plants  | R  | Jan  | 31   | 15  |    |    |
|   |      |      |    | Negotiating with Unilever Kunstmestfabriek to sell as much as 75% to its U.S. fertilizer subsidiary Shellstar   | Mar  | 7    | 20  | OCAW steps up pressure on new labor contracts  | Feb  | 7  | 17   |     |    |    |
|   |      |      |    | Nuclear entry: 50-50 joint venture with Gulf Oil  | May  | 9    | 29  | Refinery construction and expansion planned  | May  | 2  | 9    |     |    |    |
|   |      |      |    | Nuclear fuel and coal production interests  | June   | 13   | 19  | Struck plants operating at almost full strength following ratification of new pacts  | June   | 13   | 21   |     |    |    |
|   |      |      |    |   |  |      |     | Shellstar — Royal Dutch/Shell negotiating with UVK to sell as much as 75% interest in Shellstar  | Mar  | 7  | 20   |     |    |    |
|   |      |      |    |   |  |      |     | Agreement reached  | May  | 9  | 29   |     |    |    |
|   |      |      |    |   |  |      |     | Sherwin-Williams — First U.S. licensee of ilmenite beneficiation technology from Chlorine Technology Ltd.  | Apr  | 4  | 39   |     |    |    |



|   |      |      |    |   |   |     |      |   |   |   |      |      |    |    |
|---|------|------|----|---|---|-----|------|---|---|---|------|------|----|----|
| Licenses process from Rutile and Zircon<br>Mines to produce synthetic rutile ore<br>from ilmenite sands at Ashtabula  | Feb  | 28   | 21 | Southern California Edison — Vertical kiln<br>process may end oil-from-shale bottleneck   | Apr   | 18  | 33   | Nihama complex completed  | R   | June  | 6    | 35   |    |    |
| Meeting (annual)  | May  | 9    | 15 | Southwest Research Institute — Unusual<br>process sequence for removing viruses,<br>phosphates and most organic contaminants<br>from municipal waste water will be tested<br>with city of San Antonio | N   | Jan | 31   | 39  | Negotiating with Dow for licensing of<br>acrylamide process   | R   | May  | 2    | 23 |    |
| Schlaudecker predicts his group will<br>operate in the black in '73   | Feb  | 28   | 20 | Southwire Co. — Alumite joint-venture agree-<br>ment  | R   | Jan | 31   | 15  | Sales and earnings in '72 R Feb 7-36  | R   | Mar  | 21   | 50 |    |
| Sherwood, Peter Associates — Thermo-<br>forming fabrication rapidly becoming a<br>major market  | N    | June | 20 | 22  | Project will get pilot test   | N   | June | 13  | 43  | Singapore petrochemical complex   | N    | Mar  | 7  | 20 |
| Shinetsu Chemical Industry Co. — Tenneco's<br>PVC project in Texas will use the large<br>reactor technology licensed from SCIC  | N    | Apr  | 25 | 13  | Speight (Soc. Pour l'Equiment des<br>Industries Chimiques) — Petrochemical<br>complex for China   | N   | May  | 23  | 40  | Hisagawa trying to interest other Japan-<br>ese chemical makers in his plant  | Mar  | 7    | 20 |    |
| Resin plant planned   | R    | June | 27 | 15  | Spring Chemicals — Gas absorption tower<br>for removing SO <sub>2</sub> from flue gases   | N   | Apr  | 4   | 47  | Trying to sell benzene-toluene-xylene plant<br>and acetaldehyde plant to China  | N    | May  | 2  | 24 |
| Showa Denko — Fluorocarbon plant at<br>Kawasaki   | R    | May  | 2  | 23  | Staley, A.E. Co. — Soy granules and isolated<br>soy protein   | N   | May  | 9   | 26  | Sun Oil — Aliphatic solvents plant at Marcus<br>Hook, Pa.   | R    | Feb  | 7  | 17 |
| New Zealand feasibility study on the use<br>of geothermal steam for the production<br>of heavy water  | N    | Apr  | 21 | 41  | Textured vegetable protein made from soy<br>flour capacity doubled  | N   | May  | 9   | 26  | Marcus Hook, Pa., refinery strike   | R    | Mar  | 28 | 20 |
| Sales and earnings in '72   | R    | Feb  | 4  | 39  | Standard Chemical Ltd. — Court actions on<br>mercury dumping charges  | Apr | 11   | 34  | Strike talks continue   | R   | May  | 23   | 20 |    |
| Venezuelan aluminum smelter studied   | R    | Mar  | 21 | 50  | Standard Mills — Soda caustic capacity<br>boost   | R   | June | 6   | 35  | Sunkung-Tejin — DMT plant in Korea  | N    | June | 27 | 39 |
| N Mar 14-12   | R    | Mar  | 21 | 50  | Standard Oil of California — Acquires 10%<br>of the shares of Empresa Nacional de<br>Petroleos de Tarragona   | R   | Mar  | 7   | 20  | Swift & Co. — Name changes: chemical div.<br>to Setech, holding company to Esmark and<br>petroleum div. to Vickers Energy Corp. | R    | Jan  | 3  | 16 |
| Shriram Fibres — Nylon tire cord plant at<br>Manali, India  | R    | June | 20 | 19  | Chinese talks discuss exploitation of pos-<br>sible oil reserves in the outer continental<br>shelf under the China Sea  | May | 30   | 14  | Swift Chemical — Agreement with IMC to<br>purchase phosphate materials                                      | Feb   | 21   | 21   |    |    |
| Siemens — Phosphoric acid plant for<br>Morocco's Cherifien des Phosphates   | N    | Feb  | 28 | 23  | Octane down, output up  | May | 30   | 11  | Brominex line of flame retardants for<br>flexible urethanes purchased by Great<br>Lakes Chemical N May 9-33 | May   | 16   | 24   |    |    |
| Signal Chemical — Hydroquinone plant at<br>Bayport, Tex., shut down and sold to Big<br>Three Industries   | Feb  | 14   | 53 | OCAW steps up pressure on new labor<br>contracts  | Feb   | 7   | 17   | Customer for IMC fertilizer plant                                       | N   | May   | 2    | 27   |    |    |
| Simon-Carves — Sim-Chem Div. — contract<br>for Rumanian hydrogen peroxide plant at<br>Bucharest   | R    | Apr  | 18 | 29  | Refinery construction and expansion<br>planned  | May | 2    | 9   | Vrablik, Edward, picking winners in chem-<br>icals and canines  | June  | 20   | 40   |    |    |
| Simon Carves Africa — Construction contract<br>for African sulfuric acid plant for AE&CI  | R    | Feb  | 14 | 34  | Standard Oil (Indiana) — '73 capital and<br>exploration expenditures  | R   | Jan  | 24  | 12  | Swift Fresh Meats Co. — Chlor-Chill tech-<br>nique controls bacteria during meat pro-<br>cessing                                | N    | June | 13 | 43 |
| Simon Engineering — Pretax profit jumps<br>50%  | R    | Jan  | 24 | 32  | Polypropylene patent case: Montedison<br>is the winner  | N   | Feb  | 14  | 68  | Sybron — Reverse-osmosis equipment could<br>get market lift from huge plant mapped<br>by U.S.                                   | June | 13   | 17 |    |
| Wants to take over Davy-Ashmore   | N    | Jan  | 17 | 36  | Standard Oil (Ohio) — Acrylonitrile process<br>licensed by China Petrochemical Corp.  | R   | May  | 30  | 47  | Taylor Instrument Process Control Div. —<br>Quick-Scan 1400, pneumatic instrument<br>making debut                               | N    | Apr  | 18 | 39 |
| Takeover bid withdrawn  | R    | Mar  | 21 | 50  | Alaska pipeline: another snag   | Feb | 21   | 21  | Syntex — DES alternatives suspected of<br>being carcinogenic  | May   | 9    | 16   |    |    |
| Sinclair-Koppers — HDPE prices  | N    | Feb  | 28 | 29  | American Petrofin acquires BP refinery at<br>Port Arthur, Tex.  | R   | May  | 23  | 24  | Tachan Aluminum — Formed to run alu-<br>minum plant, Hankuk Aluminum, at Ulsan  | June | 27   | 39 |    |
| Houston ethylene plant boosting capacity  | R    | Apr  | 25 | 15  | China licenses process to make acryloni-<br>trile   | May | 16   | 23  | Taiedong Synthetic Fiber — Dimethyl ter-<br>ephthalate plant in Korea                                       | Jan   | 10   | 45   |    |    |
| Monsanto's LDPE plant to provide resins<br>through mid-'74  | N    | Feb  | 21 | 13  | License to manufacture and sell Barex 210<br>resin awarded to Lonza   | R   | Apr  | 4   | 29  | Takato Koryo Co. — Plastic pipe will be job<br>hunting in the U.S.  | N    | May  | 9  | 34 |
| Polystyrene prices N Feb 28-29  | N    | May  | 2  | 28  | Marcus Hook, Pa., refinery modernization<br>Paraho Development's process for re-<br>covering various hydrocarbons from oil<br>shale will be studied                 | N   | Mar  | 7   | 43  | Takeda Chemical Industries — Activated<br>carbon joint venture in Malaysia  | R    | Jan  | 17 | 44 |
| Styrene monomer prices  | N    | Feb  | 28 | 29  | Propylene-to-acrylic process wins first U.S.<br>assignment  | Jan | 24   | 37  | Joint-venture pharmaceutical manu-<br>facturer  | R   | Apr  | 18   | 29 |    |
| Sinclair Oil — Pasco, Inc., acquires certain<br>properties  | R    | Jan  | 10 | 18  | Star Drilling, Inc. — Natural Gas Pipeline<br>acquires rights to coal that is "ideally<br>suited for gasification"  | N   | Feb  | 7   | 39  | Tantalum Mining — Chemalloy bids to buy<br>back the 25% interest in TM sold to<br>Mantoba Development                           | R    | May  | 30 | 15 |
| Sinclair-Valentine — Dispersion dyes for<br>thermal printing  | Feb  | 28   | 47 | Stauffer Chemical — Benzene phosphorus<br>dichloride and benzene phosphorus tri-<br>chloride capacity at Mt. Pleasant, Tenn.<br>plant upped   | R   | Apr | 18   | 15  | Tata Chemicals — Soda ash plant at Mihapur<br>expansion   | R   | Jan  | 10   | 46 |    |
| Singapore United Paints — Paint joint venture<br>plant in Singapore   | R    | Jan  | 17 | 44  | Delaware suit filed to block the compromise<br>that gave company more time to meet<br>pollution control regulations at its Dela-<br>ware City sulfur recovery plant | R   | Mar  | 28  | 23  | Tebbe Poly/asi — Polyester resins plant<br>at Cornwall, Ont.  | R    | Mar  | 28 | 34 |
| Smith Kline & French Labs. — Ampheta-<br>mine U.S. puts down diet tips  | Apr  | 11   | 19 | Dividend increase   | R   | Apr | 4    | 29  | Polyester staple plant at Mogilev will use<br>Du Pont process   | R   | Feb  | 21   | 39 |    |
| Pharmaceuticals unit at Ringaskiddy,<br>Ireland   | N    | Jan  | 17 | 25  | Egg substitute called Trel  | N   | June | 20  | 22  | Sulfuric acid plants bought   | N    | May  | 23 | 43 |
| Weight-reducing drugs under fire  | N    | Jan  | 17 | 14  | Eradicane herbicide Apr 25-18   | N   | Apr  | 25  | 43  | Techimp — Ammonia plant at Arzew and gas<br>liquefaction units at Skikda closed due to<br>technical problems                    | N    | May  | 2  | 28 |
| Snam Progetti — Algerian petrochemical<br>complex   | R    | Mar  | 7  | 20  | Meeting (annual), herbicide Eradicane in-<br>troduced; commitments to the soda ash<br>and flame-retardant markets discussed   | Apr | 25   | 18  | Italian affiliate will build VCM plant at<br>Burgas, Bulgaria   | R   | May  | 2    | 23 |    |
| Snia Viscose — Sales and earnings in '72  | R    | May  | 9  | 28  | Sales and earnings for '72: Three come on<br>strong   | Jan | 24   | 15  | Unit for Sonatrach at Skikda  | R   | Feb  | 14   | 34 |    |
| Sobin Chemicals — China trade discussed<br>at SDA convention  | R    | Jan  | 31 | 14  | SWS Silicones Div. — silicone rubber for<br>making molds for candles  | Jan | 24   | 34  | Tecnica Reunidas — Contract for ammonia<br>plant for UEE-Rio Tinto  | R   | Jan  | 10   | 46 |    |
| First U.S. chemical shipment leaves<br>Houston for China  | Jan  | 31   | 15 | United Foam Corp. Justice Dept rules<br>co. will be allowed to keep the three<br>ethylene plants it acquired from Stauffer,<br>but will have to divest itself of the Com-<br>pact plant               | May   | 9   | 15   | Teijin Agrochemicals — Pesticides plant for<br>China                    | N   | Feb   | 14   | 31   |    |    |
| IMC increases its stake in Sobin in a deal<br>that Sobin hopes will provide a "launch-<br>ing pad" for further growth   | June | 27   | 13 | Stapan Chemical — Acquires the foam sys-<br>tems business of Armstrong Cork   | R   | Jan | 31   | 15  | Teijin Ltd. — Diversifying into cosmetics; to<br>acquire a 1/3 interest in Papilio Cos-<br>metics           | N   | Jan  | 10   | 48 |    |
| Sobin, J., says U.S.-China trade could<br>reach \$400 million in '73  | N    | May  | 30 | 9   | Maywood Div. — candle fragrance must<br>meet special criteria   | Jan | 24   | 33  | Japan acts against fiber cartel   | N   | Jan  | 3    | 29 |    |
| Soc. Commerciale des Potasses et de<br>l'Azote Sarl — ECC prohibits cooperation<br>agreement with Kali and Salz   | N    | June | 20 | 20  | Maywood, N.J., plant continues to violate<br>air pollution regulations charges DEP  | May | 16   | 20  | Nylon capacity expanding  | N   | Mar  | 14   | 33 |    |
| Soc. des Cokes d'Amibes — Petroleum coke<br>manufacturing plant near Bordeaux,<br>France  | R    | Apr  | 4  | 29  | Sterling Drug — Al-Caroid: FDA proposes<br>ban  | Apr | 11   | 19  | Para-Xylene unit and ortho-xylene plant<br>at Matsuyama complex   | R   | Feb  | 21   | 39 |    |
| Soc. des Prayon — Texas Gulf's phosphoric<br>plant at Lee Creek, N.C., being built by<br>Wellman-Power, will use Prayon process   | Jan  | 3    | 33 | Aspirin FTC charges, that ads for non-<br>prescription analgesics were misleading,<br>denied  | Mar   | 21  | 23   | Teledyne Isotopes — TLD market  | N   | June  | 27   | 35   |    |    |
| Soc. des Participations Gardiner — Acquisi-<br>tion of Cities Service's phosphatic fer-<br>tilizer complex and phosphate rock mining<br>and recovery operations in Fla. | N    | Feb  | 7  | 9   | Winthrop Labs. — staph outbreaks raise<br>pressure for end of hexachlorophene<br>ban  | Jan | 31   | 14  | Tenneco Chemicals — Newport Div. to be<br>acquired by Reichhold   | R   | May  | 30   | 15 |    |
| Soc. des Vernis Bouvet — Dexter Corp. to<br>purchase majority interest  | R    | May  | 2  | 23  | Sterling Moulding Materials — Polystyrene<br>prices   | May | 2    | 28  | Acquisition reflects Tenneco's considera-<br>tion of redeploying assets                                     | June  | 6    | 25   |    |    |
| Soc. Industrielle de Soins — Unilever ac-<br>quires majority interest   | R    | May  | 23 | 46  | Sterkauschukwerke — Merger with Buna-<br>werke Huels  | R   | Jan  | 10  | 46  | PVC resin capacity expansion at Pasa-<br>dena, Tex.   | N    | Apr  | 4  | 37 |
| Soc. Italiana Resine — Projects in Sardinia,<br>Sicily and southern Italy   | May  | 30   | 48 | Stone & Webster — SNG plant: Cities Ser-<br>vice's definitive design will start shortly   | N   | May | 23   | 40  | Reactor technology licensed from<br>Shinetsu Chemical will be used  | N   | Apr  | 25   | 13 |    |
| Sodium tripolyphosphate plant at Porto<br>Torres, Sardinia, onstream  | R    | Apr  | 4  | 29  | Stone Container — Acquires assets and busi-<br>nesses of Grand City Container and Federal<br>Carton   | R   | May  | 9   | 17  | Tenneco Chemicals Belgium — Formed  | N    | Jan  | 17 | 44 |
| SBR plant at Porto Torres, Sardinia, on-<br>stream  | R    | May  | 2  | 23  | Story Chemical — Acquires Farchem Re-<br>search Labs.   | R   | Apr  | 18  | 15  | Tenneco Inc. — Capital and investment ex-<br>penditures plans   | N    | Apr  | 25 | 13 |
| Soc. Nationale des Petroles d'Aquitaine —<br>Ethylmercaptan and diethyl sulfide plant<br>at Lacq, France  | R    | May  | 2  | 23  | Stuart, D.A. Oil Co. — Faces stricter controls<br>as result of gas leak   | Apr | 4    | 24  | LNG tankers to be built   | N   | Apr  | 25   | 13 |    |
| Soda Aromatic — Plant for making macro-<br>cyclic musk  | N    | Jan  | 3  | 32  | Stymer — Finnish chemical buildup   | Apr | 25   | 28  | Tennessee Gas Pipeline Div. — natural<br>gas price hike approved by FPC                                     | N   | June | 6    | 22 |    |
| Sodeteg — Petrochemical complex planned<br>for Kuwait   | N    | Apr  | 25 | 27  | Styrene Polymers Ltd. — Polystyrene unit<br>at Haifa  | May | 9    | 27  | West Deptford, N.J., site of a terminal for<br>imported LNG   | R   | Feb  | 14   | 27 |    |
| Sohio Petroleum — Vertical kiln process may<br>end oil-from-shale bottleneck  | Apr  | 18   | 33 | Subsidiary Corp. of America — Thermal<br>printing   | Feb   | 28  | 47   | Tenneco International — Forms a subsidiary<br>Tenneco Chemicals Belgium | R   | Jan   | 17   | 44   |    |    |
| Solvay — Sales and earnings in '72  | R    | May  | 30 | 47  | Sumitomo Chemical — Nitric acid plant at  |     |      |   | Tennessee Eastman — Disperse dyes unit<br>at Kingsport, Tenn.   | R   | Mar  | 28   | 23 |    |
| Somerville, Robert L. & Associates  | N    | Apr  | 11 | 13  |   |     |      |   | Terra Chemicals — Urea expansion at Sioux<br>City, Ia., plant   | R   | Feb  | 28   | 19 |    |
| Travelling-belt filter will get its first test<br>in Olin's Pasadena, Tex., phosphoric acid<br>plant  | N    | Apr  | 4  | 47  |   |     |      |   |   |   |      |      |    |    |
| Sonatrach — El Paso-Algeria LNG project<br>won't help ease the U.S. energy crunch<br>until early '78  | N    | Apr  | 11 | 13  |   |     |      |   |   |   |      |      |    |    |
| Natural gas liquefaction plant at Arzew   | R    | Feb  | 21 | 21  |   |     |      |   |   |   |      |      |    |    |
| Natural gas liquefaction plant near Algiers,<br>France  | R    | Feb  | 14 | 34  |   |     |      |   |   |   |      |      |    |    |
| Petrochemical complex contract to Chem<br>Systems   | R    | Mar  | 7  | 20  |   |     |      |   |   |   |      |      |    |    |
| South African Polyolefins — LDPE plant at<br>Sasolburg dedicated  | R    | Mar  | 28 | 34  |   |     |      |   |   |   |      |      |    |    |

(N Newsletter, R Roundup.)

|  |   |      |    |    |
|--|---|------|----|----|
| under attack .....   | N | Mar  | 21 | 27 |
| Varian Associates — Lab computers do it faster .....   |   | May  | 9  | 36 |
| Vebe Chemie — Methanol plant at Gelsenkirchen-Buer, W. Germany .....   | R | Mar  | 14 | 31 |
| Refinery and petrochemical complex at Orsay approved .....   | R | Apr  | 11 | 20 |
| Velsicol Chemical — Acquisition of Mobil's terephthalic acid plant at Beaumont, Tex. N Apr 4-37 .....  |   | Apr  | 11 | 20 |
| Bayport, Tex., herbicide plant aims at early '74 startup .....   | R | Feb  | 14 | 27 |
| 3M and VC will jointly test and market 3M's patented Sustar 2-S .....  | R | June | 27 | 15 |
| Vereingte Pulverlack — Unilever acquires majority interest .....   | R | May  | 23 | 46 |
| Vereingte Machinefabriken — Kellogg Continental BV formed .....  | R | Jan  | 10 | 46 |
| Kellogg Continental see under name   |   |      |    |    |
| Vickers Energy Corp. — New name for Swift's petroleum div. ....  | R | Jan  | 3  | 16 |
| Vietnam Fertilizer Industry Co. — Complex fertilizer granulation plant and facilities for bagging imported urea .....  |   | Feb  | 14 | 35 |
| Village Bath Products — Nonparaffin transparent candle based on polyamide resin .....  |   | Jan  | 24 | 33 |
| Virginia Chemicals — Sodium hydrosulfite-based proprietary chemicals plant in Chester County, S.C. slated .....  | R | Mar  | 28 | 23 |
| Vistron — Nitrogen prices .....  | N | Jan  | 10 | 23 |
| Piloting a maleic process using n-butylene .....   | N | June | 27 | 40 |
| Vomvix — Acrylic fiber plant .....   | R | May  | 2  | 23 |
| Vulcan-Cincinnati — Methyl Fuel: report on technique for burning methanol to generate electricity at the A.B. Paterson station of New Orleans Public Service ..... |   | Mar  | 14 | 37 |
| Venezuelan methanol venture .....  | N | Apr  | 18 | 39 |
| Vulcan Materials Co. — Chlorinated solvents expansion at Wichita, Kan., and Geismar, La., plants .....   | R | Jan  | 17 | 18 |
| Perchloroethylene prices .....   | N | June | 13 | 23 |
| Tin chemical prices rise .....   |   | May  | 2  | 21 |

## W

|  |   |     |    |    |
|--|---|-----|----|----|
| Wah Seong Malayan Trading — Activated carbon joint venture ..... | R | Jan | 17 | 44 |
|--|---|-----|----|----|

|  |      |      |    |    |
|--|------|------|----|----|
| Warner-Lambert — Diagnostic reagents production facility and chewing gum plant at Dublin, Ireland .....                                | N    | Jan  | 17 | 25 |
| Pro-Sale: effect of the "Schedule Three" classification on its sales will be minimal .....   |      | Jan  | 31 | 15 |
| BNDD imposes restrictions .....  | June | 27   | 15 |    |
| Sales and earnings: '72 preliminary report .....   | Jan  | 3    | 12 |    |
| Wean United — Reopening Youngstown, O., plant to fill a major order for electrolytic cells .....                                       | R    | Jan  | 10 | 18 |
| Wellman-Power Gas — Texas Gulf's phosphoric plant at Lee Creek, N.C. will use Soc. de Prayon process .....                             | Jan  | 3    | 33 |    |
| Western Processing — Contract waste treatment pay off: fast-growing service is built on low-cost plant operation .....                 | Apr  | 4    | 55 |    |
| Westinghouse Electric Co. — Anderson, S.C., plant to recycle spent fuels from nuclear power plants .....                               | R    | Jan  | 3  | 16 |
| AEC authorizes use of previously classified data on uranium enrichment .....   | N    | Jan  | 17 | 14 |
| Reverse-osmosis equipment could get market lift from huge plant mapped by U.S. ....  |      | June | 13 | 17 |
| Westvaco — Carbon: activated carbon plant to be built at Covington, Va., and expansion of existing granular carbon installations ..... | R    | Mar  | 28 | 23 |
| Weyerhaeuser Corp. — Acquisition of American Can's pulp and paper mill .....   | R    | Apr  | 11 | 19 |
| Agreement to buy some of Columbia Cellulose's operations falls through .....   | Feb  | 21   | 18 |    |
| Base-point pricing under attack .....  | N    | Mar  | 21 | 27 |
| N.Y. financial analysts hear '72 report, '73 outlook .....   | Feb  | 7    | 16 |    |
| Whitehall Laboratories — Bisodol Plus: FDA proposes ban .....  | Apr  | 11   | 19 |    |
| Willamette Industries — Base-point pricing under attack .....  | N    | Mar  | 21 | 27 |
| Williams Companies — Agrico Chemical see under name .....  |      |      |    |    |
| Witco Chemical — Acquires Aero Oil Companies .....   | R    | Jan  | 10 | 18 |
| Acquisition of Continental Oil's Bryton Chemicals plant at Trainer, Pa. ....   | R    | May  | 23 | 24 |
| Polybutylene plans: acquisition of PB Inc.; sets up polymer division; building polybutylene plant .....                                | Feb  | 7    | 17 |    |
| Polybutylene plant at Taft, La., planned ..  | R    | June | 27 | 15 |

|   |   |     |       |    |
|---|---|-----|-------|----|
| Stocks: Company completes buying 200,000 of its common shares .....                               | R | Mar | 21-24 |    |
| Wright Chemical — Reichhold acquires assets of resin and formaldehyde plant at Maivern, Ark. .... | R | May | 9     | 17 |
| Wrightson Process — Contract for Montedison's sulfuric acid pelletizing plant ..                  | R | Mar | 14    | 31 |

## X

|   |   |     |    |    |
|---|---|-----|----|----|
| XCEL Corp. — Takes over the Newark and Belvidere, N.J., cellulosic plastic film and sheet plants purchased from Celanese .. | R | Jan | 31 | 15 |
| Xerox Corp. — Full-color copies on unsensitized paper produced in new machine unit .....                                    | N | May | 30 | 43 |

## Y

|   |      |     |    |    |
|---|------|-----|----|----|
| Yong-Nam Chemical — Chungju wants to sell shares .....                                | June | 27  | 39 |    |
| Yoshitomi Pharmaceutical Industries — Joint-venture pharmaceutical manufacturer ..... | R    | Apr | 18 | 29 |

## Z

|   |   |      |    |    |
|---|---|------|----|----|
| Zenith Laboratories — Ciba-Geigy files suit against ZL for infringement of its hydrochlorothiazide patent ..... | R | June | 20 | 16 |
| Zimpro, Inc. — Possible bidder for technique for Navy to destroy outdated ammunition ..                         | N | Mar  | 21 | 41 |
| Zoecon Corp. — Marine antifouling agent sought to interrupt development of young barnacles .....                | N | May  | 2  | 32 |



*[Faint, illegible text, likely bleed-through from the reverse side of the page.]*







